Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/02/2016 11/02/2016	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ма	Location *		CR		
Category Earthen Levee			GPS La	atitud	le/Longitude			
Calegory	Category					End		
Item		s & Maintena	nce		0		0	
item	Manuals						0	
DWR ID DWR_NA0017_01_s _ 2013_3								
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
The LMA h	The LMA has the all the required O&M manuals.							

No Photos

LM Start 0.00 Rating ** Α Issue No. Issue Type + Location * CR 0.00 Ma LM End Earthen Levee GPS Latitude/Longitude Category End Emergency Supplies & Item Equipment DWR ID DWR_NA0017_01_s _ 2013_5 Comment Code Inspector Comment The LMA has all the required materials at their site.

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/02/2016 11/02/2016	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		9	
LM End	0.00	Issue Type +	Ма	Location *			
Category Earthen Levee			GPS La	atituc	de/Longitude		
Calegory	egory					End	
Item	Flood Pre	paredness &	Training		0		0
пеш	item				0		0
DWR ID	DWR_NA0	017_01_s _ 201	3_9				
		Comn	nent Cod	le			
	Inspector Comment						
The LMA h	nas all the	required book	lets from	DWR, floo	od re	esponse plan	

No Photos

The LMA has all the required booklets from DWR, flood response plar and most of their employees are trained to be a flood fighter. They continue to train more personnel for flood response.

LM Start	0.79	Rating **	М	Issue No.		11	
LM End	0.79	Issue Type +	Ma	Location *		CR	
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item		rface / Depres	ssions /	37.8785	23°	37.878523°	
item	Rutting			-121.2423	828°	-121.242328°	
DWR ID DWR_NA0017_01_f _ 2016_11							
		Comn	nent Cod	de			
C3 : Add a	ppropriate	gravel or roa	d base.	Grade and	com	pact.	
			_				
		Inspecto	or Comm	nent			





View of the crown depression on the levee looking upstream. Fall 2016

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	11/02/2016 11/02/2016	Pavel Kazi

LM Start	0.29	Rating **	M	Issue No.		125
LM End	0.29	Issue Type +	Ma	Location *		LS
Category	evee	GPS La	atitud	e/Longitude		
Calegory				Start		End
Item	Slope Sta	bility		37.8751	89°	37.875189°
item				-121.2250	48°	-121.225048°
DWR ID DWR_NA0017_02_s _ 2015_125						
		Comn	nent Cod	de		
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	and	I prevent
		Inspecto	or Comm	nent		



A slope instability was found on the landside of the levee looking upstream.

LM Start	2.01	Rating **	Α	Issue No.		12
LM End	2.01	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Outogory				Start		End
Item	Vegetatio	37.8827	41 °	37.882741 °		
item	-121.250924					-121.250924°
DWR ID DWR_NA0017_02_f _ 2016_12						
		Comn	nent Cod	de		
V1 : Contro easements		grass and wee	ds on th	e levee slop	oes	and
		Inspecto	or Comm	nent		
Acceptable vegetation.						



Photo 1 of 1: FA_2016_NA0017_149_12_20161104_00021.jpg



View of the waterside of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/26/2016 10/26/2016	Pavel Kazi

LM Start	0.05	Rating **	М	Issue No.		5
LM End	0.05	Issue Type +	Ма	Location *		LS
Category	Catagoria Earthen Levee				atitud	e/Longitude
Category				Start		End
Item	Animal Co	ontrol		37.9791	82°	37.979182°
пеш				-121.0979	77°	-121.097977°
DWR ID DWR_NA0017_06_s _ 2016_5						
		Comn	nent Cod	de		
A3 : No roccompact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and
		Inspecto	or Comm	nent		



View of rodent holes on the landside of the levee.

LM Start	0.10	Rating **	N	Issue No.		4	
LM End	0.10	Issue Type +	Ма	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.9792	19°	37.979219°	
пеш				-121.097129 ° -121.097			
DWR ID DWR_NA0017_06_s _ 2016_4							
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
			_				
		Inspecto	or Comm	nent			

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/26/2016 10/26/2016	Pavel Kazi

		D (' **			1			
LM Start	0.15	Rating **	М	Issue No.		3		
LM End	0.15	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Outogory				Start		End		
Item	Slope Sta	bility		37.9792	224°	37.979224°		
пеш				-121.096096°		-121.096096°		
DWR ID DWR_NA0017_06_f _ 2016_3								
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						
		Inspecto	or Comm	nent				



View of the slope instability on the landside toe of the levee looking upstream. Fall 2016

LM Start	0.21	Rating **	Α	Issue No.		2		
LM End	0.21	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS Latitude/Longitu				
Category				Start		End		
Item	Vegetation				49°	37.979249°		
item		-121.095081 °		-121.095081 °				
DWR ID	DWR_NA0	017_06_f _ 201	6_2					
		Comn	nent Cod	de				
V1 : Contr	ol annual g	rass and wee	ds on th	e levee slo	oes a	and		
easements	3.							
		Inspecto	or Comm	nent				
Acceptable vegetation								

Photo 1 of 1: FA_2016_NA0017_150_2_20161031_00005.jpg



View of the waterside slope of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	0.15	Rating **	Α	Issue No.		68	
LM End	0.15	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.0437	'68	38.043768°	
item				-121.3708	62°	-121.370862°	
DWR ID	DWR_NA0	017_07_f _ 201	6_68				
		Comn	nent Cod	de			
V1 : Contro easements		rass and wee	eds on th	e levee slop	pes a	and	
		Inspecto	or Comm	nent			
Acceptable	andside	vegetation.					



View of the landside of the levee. Fall 2016.

LM Start	0.33	Rating **	С	Issue No.	81			
LM End	4.28	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Vegetation				23°	38.044609°		
пеш				-121.367624°		-121.295731 °		
DWR ID	DWR_NA0	017_07_s _ 201	6_81					
		Comn	nent Cod	de				
V2 : Remo	ve the wild	d growth other	than na	tive grasse	s fro	m the levee		
slopes.								
Inspector Comment								

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	0.38	Rating **	М	Issue No.		69		
LM End	0.53	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		38.0435	85°	38.043556 °		
item				-121.3667	'32 °	-121.363954 °		
DWR ID	DWR_NA0	017_07_f _ 201	6_69					
		Comn	nent Cod	le				
V1 : Contro easements		rass and wee	eds on th	e levee slo	pes	and		
		Inspecto	or Comm	ent				



View of the vegetation on the landside of the levee looking upstream.

0.53	Rating **	М	Issue No.	71			
0.53	Issue Type +	Ма	Location *	LS			
Earthen L	evee		GPS Latitude/Longitude				
			Start		End		
Encroachi	ments		38.0435	55°	38.043555°		
		-121.363955 ° -121.3					
DWR ID DWR_NA0017_07_f _ 2016_71							
	Comn	nent Cod	le				
ngs							
		•					
	Inspecto	or Comm	ent				
	0.53 Earthen L	0.53 Issue Type + Earthen Levee Encroachments DWR_NA0017_07_f _ 2010 Commings	0.53 Issue Type + Ma Earthen Levee Encroachments DWR_NA0017_07_f _ 2016_71 Comment Coonings	0.53 Issue Type + Ma Location * Earthen Levee GPS Listert Start Start Encroachments 38.0435 -121.3639 DWR_NA0017_07_f _ 2016_71 Comment Code	0.53 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Start Encroachments 38.043555 ° -121.363955 ° DWR_NA0017_07_f _ 2016_71 Comment Code ngs		



View of prunnings on the landside toe of the levee.

LM Start	0.62	Rating **	М	Issue No.		74		
LM End	0.62	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroachi	ments		38.0435	606°	38.043506	0	
item	item				16°	16° -121.362316°		
DWR ID	DWR_NA0	017_07_f _ 201	6_74					
		Comn	nent Cod	de				
PR : Pruni	ngs							
		Inspecto	or Comm	nent				

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	0.99	Rating **	М	Issue No.		75		
LM End	1.15	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude		
Category				Start		End		
Item	Vegetatio	n		38.0433	322°	38.043257°		
пеш				-121.355557°		-121.352548 °		
DWR ID	DWR_NA0	017_07_f _ 201	6_75					
		Comn	nent Cod	de				
V1 : Contre		rass and wee	eds on th	e levee slo	pes a	and		
		Inspecto	or Comm	nent				

No Photos

LM Start	1.83	Rating **	С	Issue No.		85		
LM End	1.83	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee			GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Erosion /	Bank Caving		38.0432	61°	38.043261 °		
Rem			-121.340136°		-121.340136 °			
DWR ID	DWR_NA0	DWR_NA0017_07_s _ 2016_85						
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		
		Inspecto	or Comm	nent				
Erosion ca	used by ru	ınoff						

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	2.01	Rating **	С	Issue No.		35
LM End	2.01	Issue Type +	Ma	Location *		LS
Cotogory	Earthen L	evee		GPS La	atitud	e/Longitude
Category						End
Item	Erosion /	Bank Caving		38.0432	43°	38.043243°
item				-121.3367	80°	-121.336780°
DWR ID	DWR_NA0017_07_s _ 2015_35					
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inspecto	or Comm	nent		
Runoff						

No Photos

LM Start	2.31	Rating **	С	Issue No.		86	
LM End	2.31	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS La	atitud	le/Longitude		
Category			Start		End		
Item	Encroachments			38.0431	96°	38.043196°	
пеш			-121.3312	35°	-121.331235°		
DWR ID	DWR_NA0	017_07_s _ 201	6_86				
		Comn	nent Cod	de			
PR : Pruni	ngs						
Inspector Comment							

No Photos

							_
LM Start	2.72	Rating **	С	Issue No.		87	
LM End	2.72	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Co	ontrol		38.0431	66°	38.043166	0
пеш				-121.3238	79°	-121.323879	0
DWR ID	DWR_NA0017_07_s _ 2016_87						
		Comn	nent Cod	de			
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	
		Inspecto	or Comm	nent			

No Photos

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

M : Minimally Acceptable C : Corrected Ob : Design & System Obsolescence

U : Unacceptable AW : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	3.09	Rating **	М	Issue No.		77
LM End	3.34	Issue Type +	Ма	Location *		LS
Catagony	Earthen Levee			GPS La	atitud	e/Longitude
Category			Start		End	
Item	Vegetatio	n		38.0431	72°	38.043080 °
пеш			-121.316958°		-121.312410°	
DWR ID	DWR_NA0	DWR_NA0017_07_f _ 2016_77				
		Comn	nent Cod	de		
V1 : Contro easements		rass and wee	eds on th	e levee slo	oes a	and
Inspector Comment						

No Photos

LM Start	4.80	Rating **	М	Issue No.	79	
LM End	4.80	Issue Type +	Ма	Location *	WS	
Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End	
Item	Animal Control			38.0498	33°	38.049833°
item			-121.2893	59°	-121.289359°	
DWR ID	DWR_NA0	6_79				
Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of a rodent hole on the waterside of the levee.

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	5.50	Rating **	М	Issue No.		73	
LM End	5.50	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	Erosion / I		38.0527	'53 °	38.052753°		
item				-121.277680°		30° -121.277680°	
DWR ID DWR_NA0017_07_f _ 2012_73							
		Comn	nent Cod	de			
E2 : Schedule repair of erosion site prior to the next inspection.							
		Inspecto	or Comm	nent			
Erosion caused by vehicle, and the slopes are stable.							



Slope instability was found on the landside of the levee looking upstream.

LM Start	6.60	Rating **	С	Issue No.		40	
LM End	6.60	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Category			Start		End		
Item	Animal Co	Animal Control)3°	38.059303°	
пеш				-121.26173	36°	-121.261736 °	
DWR ID	DWR_NA0	017_07_f _ 201	5_40				
		Comn	nent Coc	de			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							

Inspector Comment

No Photos

LM Start	7.23	Rating **	С	Issue No.	94		
LM End	7.23	Issue Type +	Ma	Location *	LS		
Category	, Earthen Levee			GPS Latitude/Longitude			
Category		Start		End			
Item	Slope Stability			38.065001°		38.065001	٥
пеш				-121.252757 °		-121.252757	٥
DWR ID	DWR_NA0	017_07_s _ 201	6_94				
Comment Code							
S3 : Repair the levee slope damaged by vehicle traffic and prevent							

access where possible.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

-								
LM Start	9.65	Rating **	С	Issue No.		80		
LM End	9.65	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Animal Control				58°	38.070458°		
пеш				-121.2185	96°	-121.218596°		
DWR ID	DWR ID DWR_NA0017_07_s _ 2012_80							
		Comn	nent Cod	de				
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				
Beaver de	n in the wa	terward berm	visible f	rom the op	posit	e bank.		

No Photos

LM Start	9.73	Rating **	N	Issue No.		45
LM End	9.73	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thin Trees				09°	38.074509°
пеш				-121.210489°		-121.210489°
DWR ID	DWR_NA0	017_07_s _ 201	2_45			·
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	9.76	Rating **	N	Issue No.		46
LM End	9.76	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitude	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.0746	13°	38.074613°
пеш				-121.2098	82°	-121.209882 °
DWR ID	DWR_NA0	017_07_s _ 201	2_46			
		Comn	nent Cod	de		
Γ5 : Tree :	stumps.					
			_			
		Inspecto	or Comm	nent		



View of tree stumps found on the landside of the levee looking upstream.

LM Start	13.03	Rating **	С	Issue No.		72		
LM End	13.03	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		38.1058	46°	38.105846°		
пеш	-121.17655					-121.176552°		
DWR ID DWR_NA0017_07_s _ 2012_72								
		Comn	nent Cod	de				
S1 : Repai	ir slope ins	tability.						
		Inspecto	or Comm	nent				
Shallow pit at the landward toe with nearby prunings.								

No Photos

LM Start	13.84	Rating **	С	Issue No.		100
LM End	13.84	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Encroach	ments		38.1164	76°	38.116476°
Itom				-121.1722	07°	-121.172207°
DWR ID	DWR_NA0	017_07_s _ 201	6_100			
		Comn	nent Cod	le		
PR : Pruni	ngs					
			_			
		Inspecto	or Comm	ent		

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

				II.		
LM Start	14.23	Rating **	М	Issue No.		61
LM End	14.23	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		38.1216	25°	38.121625°
item				-121.1695	63°	-121.169563°
DWR ID	DWR_NA0	017_07_f _ 201	3_61			
		Comn	nent Cod	de		
ST : Stairv	vay					
			_			
		Inspect	or Comm	nent		



Steps were found on the waterside slope of the levee looking downstream.

LM Start	14.35	Rating **	С	Issue No.		60
LM End	14.35	Issue Type +	Ма	Location *		CR
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Odlogory						End
Item		rface / Depres	ssions /	38.1232	86°	38.123286 °
item	Rutting		-121.169609 °		-121.169609°	
DWR ID	DWR_NA0	017_07_s _ 201	2_60			
		Comn	nent Cod	le		
C2 : Repai	r depressi	ons or ruts in	the crow	n or slope.		
			_			
		Inspecto	or Comm	nent		

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2016 10/13/2016	Pavel Kazi

LM Start	15.16	Rating **	N	Issue No.		53		
LM End	15.16	Issue Type +	Ма	Location *		LS		
Catagoria Earthen Levee			GPS La	atitud	e/Longitude			
Category				Start		End		
Item	Trim / Thi	n Trees		38.1302	31°	38.130231 °		
пеш		-121.1584	47°	-121.158447°				
DWR ID DWR_NA0017_07_s _ 2012_53								
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				



View of a stump in the landward slope.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

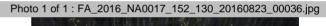
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	1.18	Rating **	М	Issue No.		114	
LM End	1.70	Issue Type +	Ma	Location *		LS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.0429	71°	38.042763°	
пеш			-121.3626	09°	-121.353035 °		
DWR ID DWR_NA0017_08_f _ 2016_114							
		Comn	nent Cod	de			
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			

LM Start	1.30	Rating **	М	Issue No.		130		
LM End	1.30	Issue Type +	Ма	Location *		LS		
Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroach	ments	38.0429	05°	38.042905°			
item	·m				49°	-121.360449°		
DWR ID	DWR ID DWR_NA0017_08_s _ 2016_130							
		Comn	nent Cod	de				
ST : Stairv	vay							
		Inspecto	or Comm	nent				





View of the steps dug into the landside slope of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	1.82	Rating **	N	Issue No.		18
LM End	1.82	Issue Type +	Ма	Location *		LS
Earthen Levee			GPS La	atitud	e/Longitude	
Category				Start		End
Item	Trim / Thin Trees				'51 °	38.042751 °
пеш				-121.353062 °		-121.353062 °
DWR ID	DWR_NA0	017_08_f _ 201	2_18			
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
			_			
		Inspecto	or Comm	nent		



View of a tree stump that was found on the landside toe of the levee.

The picture was taken from the crown looking towards the toe.

LM Start	2.04	Rating **	С	Issue No.		92
LM End	2.04	Issue Type +	Ма	Location *		LS
Category Earthen Levee			GPS La	atitud	e/Longitude	
Category				Start		End
Item	Encroach	ments		38.0428	03°	38.042803°
item	-121.346755 ° -12					
DWR ID	DWR_NA0	017_08_s _ 201	5_92			
		Comn	nent Cod	de		
PR : Pruni	ngs					
			_			
		Inspecto	or Comm	nent		

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.08	Rating **	М	Issue No.		115		
LM End	2.11	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		38.0427	'80 °	38.042778°		
пеш				-121.3461	34 °	-121.345589°		
DWR ID	DWR ID DWR_NA0017_08_f _ 2016_115							
		Comn	nent Cod	de				
T2 : Thin t	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.		
		Inspecto	or Comm	nent				



View of the tree limbs on the landside of the levee. Fall 2016.

LM Start	2.14	Rating **	С	Issue No.		134
LM End	2.14	Issue Type +	Ма	Location *		LS
Earthen Levee			GPS Latitude/Longitude			
Category				Start		End
Item	Encroachi	ments		38.0427	'74°	38.042774°
пеш				-121.344979 °		-121.344979°
DWR ID	DWR_NA0	017_08_s _ 201	6_134			
		Comn	nent Cod	de		
PR : Pruni	ngs					
		Inspecto	or Comm	nent		

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.15	Rating **	М	Issue No.		116
LM End	2.15	Issue Type +	Ma	Location *		WS
Category	Concrete Floodwalls			GPS La	atitud	e/Longitude
Calegory			Start		End	
Item Monolith Joints			38.0427	70°	38.042770 °	
			-121.344862 °		-121.344862 °	
DWR ID DWR_NA0017_08_f _ 2016_116						
	Comment Code					
			•			
		Inspecto	or Comm	nent		



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016.

LM Start	2.16	Rating **	С	Issue No.		93	
LM End	2.16	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory			Start		End		
Encroachments ltem			38.0427	85°	38.042785 °		
пеш				-121.344686 °		-121.344686 °	
DWR ID	DWR_NA0017_08_s _ 2015_93						
		Comn	nent Cod	de			
PR : Pruni	ngs						
		Inspecto	or Comm	nent			

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.20	Rating **	М	Issue No.		117	
LM End	2.20	Issue Type +	Ma	Location *	WS		
Category	Concrete Floodwalls			GPS La	atitud	le/Longitude	
Calegory			Start		End		
Monolith Joints				38.0427	63°	38.042763°	
item				-121.3437	98°	-121.343798°	
DWR ID	R ID DWR_NA0017_08_f _ 2016_117						
		Comn	nent Cod	de			
			_				
		Inspecto	or Comm	nent			



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016.

LM Start	2.22	Rating **	М	Issue No.	102		
LM End	2.22	Issue Type +	Ma	Location *	WS		
Category	Concrete Floodwalls			GPS L	atitud	e/Longitude	
Odlogory				Start		End	
Item	Monolith .	Monolith Joints			'76 °	38.042776°	
пеш				-121.343593 °		-121.343593 °	
DWR ID	ID DWR_NA0017_08_f _ 2014_102						
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
The mono	lith joint m	aterial is deter	riorating	at this loca	tion.		

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.24	Rating **	М	Issue No.		29
LM End	2.24	Issue Type +	Ma	Location *	WS	
Category	Concrete Floodwalls			GPS La	atitud	e/Longitude
Calegory				Start		End
Item Monolith Joints			38.0427	77 °	38.042777°	
			-121.343150 °		-121.343150 °	
DWR ID DWR_NA0017_08_s _ 2013_29						
	Comment Code					
		Inspecto	or Comm	nent		



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

LM Start	2.26	Rating **	С	Issue No.		135
LM End	2.26	Issue Type +	Ма	Location *		LS
Category	Earthen Levee			GPS La	atitud	e/Longitude
Odlogory				Start		End
ltem Encroachments			38.0427	'65 °	38.042765 °	
			-121.342854 °		° -121.342854 °	
DWR ID DWR_NA0017_08_s _ 2016_135						
		Comn	nent Cod	de		
PR : Pruni	ngs					
		Inspecto	or Comm	nent		

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.36	Rating **	М	Issue No.		105
LM End	2.36	Issue Type +	Ма	Location *	LS	
Category	Earthen Levee			GPS La	atitud	e/Longitude
Calegory			Start		End	
Encroachments			38.0427	'56 °	38.042756 °	
item				-121.340877 °		-121.340877 °
DWR ID DWR_NA0017_08_f _ 2014_105						
		Comn	nent Cod	de		
PR : Pruni	ngs					
		Inspecto	or Comm	nent		



View of prunings on the landside toe of the levee looking upstream.

LM Start	2.41	Rating **	N	Issue No.		40
LM End	2.41	Issue Type +	Ма	Location *		LS
Category	Earthen Levee			GPS La	atitud	e/Longitude
Calegory			Start		End	
Trim / Thin Trees			38.0427	'51 °	38.042751 °	
пеш				-121.3421	19°	-121.342119°
DWR ID DWR_NA0017_08_s _ 2012_40						
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		

No Photos

LM Start	2.50	Rating **	М	Issue No.	59			
LM End	2.54	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End		
Vegetation				38.0427	27°	38.042736	0	
пеш				-121.338422 °		-121.337605	0	
DWR ID	DWR_NA0	DWR_NA0017_08_f _ 2015_59						
		Comn	nent Coo	de				
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee		
		Inspecto	or Comm	nent				

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.50	Rating **	N	Issue No.		12		
LM End	2.50	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.0427	'49 °	38.042749°		
пеш	item					-121.338402 °		
DWR ID	DWR_NA0	017_08_s _ 201	2_12					
		Comn	nent Co	de				
T5 : Tree s	tumps.							
		Inspecto	or Comn	nent				



View of stumps along the landward toe looking upstream.

LM Start	2.52	Rating **	N	Issue No.		36		
LM End	2.52	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.0427	39°	38.042739°		
item				-121.3401	00°	-121.340100 °		
DWR ID	DWR ID DWR_NA0017_08_s _ 2012_36							
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

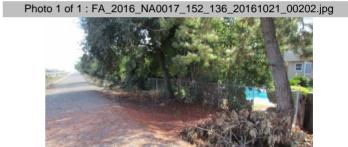
San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	2.61	Rating **	N	Issue No.		26	
LM End	2.61	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.0427	37°	38.042737 °	
item			-121.3384	47°	-121.338447 °		
DWR ID DWR_NA0017_08_s _ 2014_26							
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			

No Photos

LM Start	2.64	Rating **	М	Issue No.		136		
LM End	2.64	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	ments	38.0427	'18 °	38.042718°				
item				-121.335727°		7° -121.335727°		
DWR ID DWR_NA0017_08_s _ 2016_136								
		Comn	nent Cod	de				
PR : Pruni	ngs							
		Inspecto	or Comm	nent				



View of prunings on the landside of the levee looking upstream.

LM Start	2.68	Rating **	Ν	Issue No.		33		
LM End	2.68	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		38.0427	'15 °	38.042715	0	
item			-121.3351	46°	-121.335146	0		
DWR ID	DWR_NA0	017_08_s _ 201	2_33					
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
Inspector Comment								

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

-									
LM Start	2.82	Rating **	N	Issue No.		30			
LM End	2.82	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		38.0427	'10 °	38.042710°			
пеш				-121.3346	77°	-121.334677°			
DWR ID	DWR ID DWR_NA0017_08_s _ 2012_30								
		Comn	nent Cod	de					
T5 : Tree s	stumps.								
		Inspecto	or Comm	nent					

No Photos

LM Start	2.92	Rating **	С	Issue No.		60
LM End	2.92	Issue Type +	Ma	Location *		LS
Category	Earthen Levee			GPS La	atitud	e/Longitude
Category				Start		End
Item	Encroach	ments		38.0426	95°	38.042695°
itom				-121.3306	85°	-121.330685°
DWR ID	DWR_NA0	017_08_f _ 201	5_60			
		Comn	nent Coo	de		
PR : Pruni	ngs					
		Inspecto	or Comm	nent		

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.03	Rating **	N	Issue No.		137		
LM End	3.03	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		38.0426	83°	38.042683 °		
пеш				-121.3286	74°	-121.328674°		
DWR ID DWR_NA0017_08_s _ 2016_137								
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				

No Photos

LM Start	3.07	Rating **	М	Issue No.		118	_	
LM End	3.07	Issue Type +	Ma	Location *		LS		
Catagory	evee	GPS La	atitud	e/Longitude				
Calegory	Category					End		
Item	Encroachments					38.042662	0	
пеш	em				81 °	-121.327981	0	
DWR ID	DWR_NA0	017_08_f _ 201	6_118					
		Comn	nent Cod	de				
PR : Pruni	ngs							
			_					
	Inspector Comment							

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.11	Rating **	M	Issue No.	138			
LM End	3.14	Issue Type +	Ma	Location *	LS			
Catagory Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		38.0426	54°	38.042646		
item	-121.327229 ° -121.							
DWR ID DWR_NA0017_08_s _ 2016_138								
		Comn	nent Coc	le				
T3 : Trim a		es to allow vis	sibility of	the ground	and	I room to		
		Inspecto	or Comm	ent				



View of tree limbs that were blocking the visibility and accessibility of the landside slope of the levee.

LM Start	3.19	Rating **	N	Issue No.		13		
LM End	3.19	Issue Type +	Ma	Location *		LS		
Category	Catagonia Earthen Levee					e/Longitude		
Category	Category					End		
Item	Trim / Thin Trees				76°	38.042676°		
item				-121.325694°		-121.325694°		
DWR ID	DWR_NA0	017_08_s _ 201	2_13					
		Comn	nent Cod	le				
T5 : Tree s	tumps.							
	Inspector Comment							



View of a stump on the landward slope looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.24	Rating **	М	Issue No.		37	
LM End	3.24	Issue Type +	Ma	Location *		WS	
Category	Concrete	Floodwalls		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Monolith .	loints		38.0426	552°	38.042652 °	
item				-121.3268	883°	-121.326883 °	
DWR ID	DWR_NA0	017_08_s _ 201	3_37				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
		тороск	J. 00	10111			



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

LM Start	3.31	Rating **	М	Issue No.		940	
LM End	3.31	Issue Type +	Ма	Location *		WS	
Category	Concrete	Floodwalls		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Monolith .	Joints		38.0426	54°	38.042654°	
пеш				-121.3256	11 °	-121.325611°	
DWR ID	DWR_NA0	017_08_s _ 201	2_940				
		Comn	nent Co	de			
Inspector Comment							

Photo 1 of 1 : FA_2016_NA0017_152_940_20160823_00041.jpg



Monolith joint material is deteriorating at the joint of the flood wall. The picture was taken from the crown looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.32	Rating **	М	Issue No.		119	
LM End	3.32	Issue Type +	Ma	Location *		WS	
Category	Concrete	Floodwalls		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Monolith .	loints		38.0426	51°	38.042651 °	
пеш				-121.3232	80°	-121.323280 °	
DWR ID	DWR_NA0	017_08_f _ 201	6_119				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016.

LM Start	3.33	Rating **	С	Issue No.		41
LM End	3.33	Issue Type +	Ma	Location *		WS
Category	Concrete	Floodwalls		GPS La	atitud	e/Longitude
Category				Start		End
Item	Monolith .	Monolith Joints			43°	38.042643°
пеш				-121.325208°		-121.325208°
DWR ID	DWR_NA0	017_08_f _ 201	3_41			
		Comn	nent Cod	de		
Inspector Comment						
The mono wall.	The monolith joint material is deteriorating at this location of the flood					

No Photos

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	3.43	Rating **	М	Issue No.	63		
LM End	3.43	Issue Type +	Ma	Location *	WS		
Category	Concrete	Floodwalls		GPS La	atituc	le/Longitude	
Calegory				Start		End	
Item	Monolith Joints			38.0426	72°	38.042672°	
item				-121.321283 °		-121.321283 °	
DWR ID	DWR_NA0	017_08_f _ 201	5_63				
		Comn	nent Cod	le			
Inspector Comment							
The mono	lith joint ma	aterial is deter	riorating	at this locat	ion	of the flood	

No Photos

The monolith joint material is deteriorating at this location of the flood wall.

LM Start	3.58	Rating **	М	Issue No.		65	
LM End	3.58	Issue Type +	Ma	Location *	WS		
Category Concrete Floodwalls			GPS La	titud	e/Longitude		
Category	Category					End	
Item	Monolith Joints			38.0426	55 °	38.042655 °	
пеш				-121.3185	34 °	-121.318534°	
DWR ID	DWR_NA0	017_08_f _ 201	5_65				
Comment Code							

No Photos

Inspector Comment

The monolith joint material is deteriorating at this location of the flood wall.

LM Start	3.74	Rating **	М	Issue No.		120
LM End	3.83	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS La	atitud	e/Longitude	
Calegory	Category			Start		End
Item	Vegetatio	n		38.0426	16°	38.042615°
пеш			-121.3157	01°	-121.314050 °	
DWR ID DWR_NA0017_08_f _ 2016_120						
		Comn	nent Cod	1e		

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1: FA_2016_NA0017_152_120_20161021_00204.jpg



View of vegetation on the waterside of the levee.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Minimally Acceptable CR : Corrected U: Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Not Applicable M: Not Inspected/Rated M: Minimally Acceptable D: C: Corrected Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	4.56	Rating **	С	Issue No.		27	
LM End	4.56	Issue Type +	Ма	Location *		WS	
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.0427	'97 °	38.042797 °	
пеш				-121.3007	82°	-121.300782°	
DWR ID	DWR_NA0	017_08_s _ 201	4_27			·	
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion sit	e prior to	the next in	spec	ction.	
		Inspect	or Comm	nent			
Ruts on the waterside slope of the levee.							

No Photos

-							
LM Start	4.82	Rating **	М	Issue No.		121	
LM End	4.82	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		38.0439	28°	38.043928°	
пеш				-121.2963	86°	-121.296386°	
DWR ID	DWR ID DWR_NA0017_08_f _ 2016_121						
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Runoff							



View of an erosion due to runoff on the waterside slope of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	5.25	Rating **	М	Issue No.		68	
LM End	5.25	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.0481	74°	38.048174°	
item			-121.2911	71 °	-121.291171 °		
DWR ID DWR_NA0017_08_f _ 2016_68							
		Comn	nent Cod	de			
S1 : Repai	ir slope ins	tability.					
Inspector Comment							



View of the slope instability on landside of the levee looking downstream.

LM Start	6.13	Rating **	М	Issue No.		125	
LM End	6.13	Issue Type +	Ма	Location *	CR		
Category	Earthen L	evee		GPS L	atitud	le/Longitude	
Category				Start		End	
Item		rface / Depres	ssions /	38.0521	80°	38.052180 °	
item	Rutting			-121.2766	97°	-121.276697 °	
DWR ID DWR_NA0017_08_f _ 2016_125							
		Comn	nent Cod	de			
C2 : Repa	ir depressi	ons or ruts in	the crow	n or slope.			
			•				
	Inspector Comment						



View of crown depression on the levee looking downstream. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	6.16	Rating **	M	Issue No.		6	
LM End	6.16	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.0522	04°	38.052204°	
пеш		-121.276014 ° -121.276014					
DWR ID	DWR ID DWR_NA0017_08_s _ 2015_6						
		Comn	nent Cod	de			
S1 : Repai	r slope ins	tability.					
		Inspecto	or Comm	nent			
Runoff							



View of a slope instability due to runoff on the waterside of the levee looking upstream.

LM Start	6.27	Rating **	С	Issue No.		28			
LM End	6.27	Issue Type +	Ма	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Category				Start		End			
Item	Slope Sta	bility		38.0524	.99°	38.052499°			
item				-121.274173 °		-121.274173°			
DWR ID	DWR ID DWR_NA0017_08_s _ 2015_28								
		Comn	nent Cod	de					
S1 : Repai	r slope ins	tability.							
	Inspector Comment								
Runoff									

No Photos

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	6.47	Rating **	М	Issue No.	145		
LM End	6.47	Issue Type +	Ма	Location *		CR	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item		rface / Depres	ssions /	38.0530	39°	38.053039 °	
item	Rutting			-121.270543°		-121.270543 °	
DWR ID DWR_NA0017_08_s _ 2016_145							
		Comn	nent Cod	le			
	appropriate design ele	material and vation.	re-grade	the levee	to bri	ng the crown	
		Inspecto	or Comm	ent			

a		
	_10/17/2018	

Photo 1 of 2 : FA_2016_NA0017_152_145_20161024_00210.jpg

Updated picture of the crown depression looking downstream. Fall 2016.

 LM Start
 6.47
 Rating **
 M
 Issue No.
 145 (cont)

 LM End
 6.47
 Issue Type +
 Ma
 Location *
 CR

Photo 2 of 2: FA_2016_NA0017_152_145_20160823_00040.jpg



View of crown depression on the levee.

LM Start	6.53	Rating **	М	Issue No.		124	
LM End	6.53	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.0531	39°	38.053139°	
item				-121.269405 °		-121.269405 °	
DWR ID DWR_NA0017_08_f _ 2016_124							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.	
			_				
		Inspect	or Comm	nent			
Runoff							



View of an erosion due to runoff on the waterside of the levee. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

		D-+: **		Innua Na		400	
LM Start	6.72	Rating **	М	Issue No.		123	
LM End	6.72	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.0539	21 °	38.053921 °	
пеш	item			-121.266144 °		° -121.266144	
DWR ID	DWR ID DWR_NA0017_08_f _ 2016_123						
		Comn	nent Cod	de			
E2 : Sche	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Runoff							



View of an erosion due to runoff on the landside of the levee looking downstream.

LM Start	6.98	Rating **	М	Issue No.		122		
LM End	6.98	Issue Type +	Ma	Location *	CR			
Category	evee	GPS Latitude/Longitude						
Category	Category					End		
Item	Crown Surface / Depressions /			38.0560	23°	38.056023°		
пеш	Rutting			-121.2623	63°	-121.262363 °		
DWR ID	DWR ID DWR_NA0017_08_f _ 2016_122							
Comment Code								
C1 : Add appropriate material and re-grade the levee to bring the crown								

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment



View of crown depression looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	7.86	Rating **	С	Issue No.		72	
LM End	7.86	Issue Type +	Ma	Location *		WS	
Cotogony	Earthen L	evee		GPS La	tituc	le/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		38.0644	36°	38.064436°	
пеш	item			-121.251746°		-121.251746°	
DWR ID DWR_NA0017_08_f _ 2015_72							
		Comn	nent Cod	de			
	dents visib or grout bur	le, but rodent rows.	burrows	visible; nee	d to	backfill and	
Inspector Comment							

No Photos

LM Start	8.43	Rating **	М	Issue No.		126	
LM End	8.43	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachi	ments		38.0669	939°	38.066939°	
пеш		-121.242196°		96° -121.242196°			
DWR ID DWR_NA0017_08_f _ 2016_126							
		Comn	nent Cod	de			
DE : Debri	S						
		Inspecto	or Comm	nent			
Concrete Debris							





View of concrete debris on the waterside of the levee. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	8.83	Rating **	М	Issue No.		73			
LM End	8.83	Issue Type +	Ma	Location *	LS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Category				Start		End			
Item	Erosion / I	Bank Caving		38.0671	30°	38.067130°			
пеш				-121.234875 °		-121.234875 °			
DWR ID	DWR ID DWR_NA0017_08_f _ 2015_73								
		Comn	nent Cod	de					
E2 : Scheo	dule repair	of erosion site	e prior to	the next in	spe	ction.			
		Inspecto	or Comm	nent					
Surface ru	noff.								



Erosion due surface runoff was found on the landside of the levee looking downstream.

LM Start	9.27	Rating **	М	Issue No.		53			
LM End	9.27	Issue Type +	Ма	Location *		LS			
Category Earthen Levee				GPS La	atitud	e/Longitude			
Category				Start		End			
Item	Slope Sta	bility		38.0695	27°	38.069527°			
item				-121.227412 ° -121.2274					
DWR ID	DWR ID DWR_NA0017_08_s _ 2015_53								
		Comn	nent Cod	de					
S1 : Repai	ir slope ins	tability.							
		Inspecto	or Comm	nent					
Runoff									

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	9.42	Rating **	С	Issue No.		75	
LM End	9.42	Issue Type +	Ма	Location *		WS	
Earthen Levee			GPS La	atitud	le/Longitude		
Category		Start		End			
Item	Animal Co	ontrol		38.0697	97°	38.069797°	
пеш				-121.224693 °		-121.224693 °	
DWR ID DWR_NA0017_08_f _ 2015_75							
		Comn	nent Coc	de			
A3 : No roccompact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	
		Inspecto	or Comm	nent			

LM Start	9.63	Rating **	М	Issue No.		76	
LM End	9.63	Issue Type +	Ma	Location *	WS		
Earthen Levee			GPS L	atitud	le/Longitude		
Category				Start		End	
Item	Slope Sta	bility		38.0698	807°	38.069807°	
item				-121.2208	90°	-121.220890 °	
DWR ID DWR_NA0017_08_f _ 2015_76							
		Comn	nent Cod	de			
S1 : Repai	ir slope ins	tability.					
		la a a a a t	0				
		mspecia	or Comm	ieni			



A slope instability was found on the waterside of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	10.04	Rating **	С	Issue No.		78		
LM End	10.04	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Animal Co	ontrol		38.0728	84°	38.072884°		
пеш				-121.215102°		-121.215102°		
DWR ID	DWR ID DWR_NA0017_08_f _ 2015_78							
		Comn	nent Cod	le				
A3 : No roo compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	ent				

No Photos

LM Start	11.73	Rating **	С	Issue No.		80		
LM End	11.73	Issue Type +	Ма	Location *	WS			
Category	Earthen Levee			GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		38.0862	219°	38.086219°		
пеш				-121.190030 ° -121.1900				
DWR ID	DWR ID DWR_NA0017_08_f _ 2015_80							
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						
		Inspecto	or Comm	nent				

No Photos

		D () ++					
LM Start	11.81	Rating **	С	Issue No.		128	
LM End	11.81	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS La	atitud	le/Longitude		
Odlogory				Start		End	
Item	Erosion /	Bank Caving	38.0861	16°	38.086116	0	
пеш				-121.190630 °		-121.190630	0
DWR ID	DWR_NA0	017_08_f _ 201	4_128				
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	_
		Inspecto	or Comm	nent			
1							

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	13.72	Rating **	М	Issue No.		82	
LM End	13.72	Issue Type +	Ма	Location *	ocation * LS		
Catagory	Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Encroachments Item			38.1078	803°	38.107803°		
nem				-121.173179°		-121.173179°	
DWR ID DWR_NA0017_08_f _ 2015_82							
		Comn	nent Cod	de			
DE : Debri	s						
		Inspecto	or Comm	nent			



View of debris on the landside toe of the levee. Fall 2016

LM Start	14.75	Rating **	U	Issue No.		57
LM End	14.75	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End
Item Erosion / Bank Caving			38.1221	52°	38.122152°	
			-121.169461 °		-121.169461 °	
DWR ID	DWR_NA0	017_08_f _ 201	5_57			
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	tion.
		Inspecto	or Comm	nent		
Waterside	toe erosio	n.				



Erosion was found on the waterside toe of the levee. The picture was taken from the right bank of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	14.76	Rating **	М	Issue No.		129
LM End	14.76	Issue Type +	Ma	Location * LS		LS
Category Earthen Levee		GPS La	atitud	le/Longitude		
Calegory				Start		End
Item Animal Control			38.1223	29°	38.122329°	
			-121.169028°		-121.169028°	
DWR ID	DWR_NA0	017_08_f _ 201	6_129			
		Comn	nent Cod	de		
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and
		Inspecto	or Comm	nent		



View of rodent holes on the landside slope of the levee looking upstream. Fall 2016

LM Start	14.79	Rating **	М	Issue No.		96	
LM End	14.79	Issue Type +	Ma	Location *		LS	
Category	Category Earthen Levee				titud	le/Longitude	
Category				Start		End	
Item	Animal Co	Animal Control			64°	38.122664°	
item				-121.1691	16°	-121.169116 °	
DWR ID	DWR_NA0	017_08_f _ 201	5_96				
	Comment Code						
A3 : No ro	dents visib	le, but rodent	burrows	visible: nee	ed to	backfill and	

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Rodent holes were found on the landside slope of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/13/2016 10/19/2016	Pavel Kazi

LM Start	15.19	Rating **	С	Issue No.		89
LM End	15.19	Issue Type +	Ма	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End	
Item	Erosion / I	Bank Caving		38.1258	18°	38.125818°
пеш			-121.166410 °		-121.166410 °	
DWR ID DWR_NA0017_08_s _ 2013_89						
		Comn	nent Coc	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.
			•			
		Inspecto	or Comm	nent		

No Photos

LM Start	15.39	Rating **	M	Issue No.		90	
LM End	15.39	Issue Type +	Ma	Location *		CR	
Category Earthen Levee			GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item	Crown Surface / Depressions / Rutting			38.1268	30°	38.126830	0
пеш				-121.162930 °		-121.162930	0
DWR ID	DWR_NA0	017_08_s _ 201	4_90				
		Comn	nent Cod	de			
C2 : Repa	ir depressi	ons or ruts in	the crow	n or slope.			
		Inspecto	or Comm	nent			
1							

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

NA0017

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.12	Rating **	Α	Issue No.		5
LM End	0.12	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category			Start		End	
Vegetation			38.0940	42°	38.094042°	
пеш	""			-121.174696°		-121.174696 °
DWR ID DWR_NA0017_09_f _ 2016_5						
		Comn	nent Cod	de		
V1 : Contro easements		rass and wee	eds on th	e levee slo	pes	and
		Inspecto	or Comm	nent		
Acceptable	e vegetatio	n.				



View of the waterside slope of the levee. Fall 2016.

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/18/2016 10/18/2016	Pavel Kazi

LM Start	Rating **		Issue No.			
LM End	Issue Type +		Location *			
Category			GPS La	titud	e/Longitude	
Category			Start		End	
Item				0		0
пеш				0		0
DWR ID						
	Comn	nent Cod	le			
	Inspecto	or Comm	ent			
No issues	were reported.					

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/19/2016 10/19/2016	Pavel Kazi

LM Start	2.90	Rating **	М	Issue No.		22	
LM End	2.90	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.1249	59°	38.124959°	
пеш				-121.1442	23 °	-121.144223 °	
DWR ID	DWR_NA0	017_11_s _ 201	6_22				
		Comn	nent Cod	de			
PR : Pruni	ngs						
		Inspecto	or Comm	nent			



Prunnings were found on the waterside shoulder of the levee.

Photo 1 of 1: FA 2016 NA0017 155 21 20161024 00051.jpg

LM Start	2.93	Rating **	М	Issue No.		21	
LM End	2.93	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.1254	50°	38.125450 °	
пеш				-121.1442	51 °	-121.144251°	
DWR ID	DWR_NA0	017_11_f _ 201	6_21				
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			



View of an erosion on the waterside of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/19/2016 10/19/2016	Pavel Kazi

LM Start	3.35	Rating **	M	Issue No.		20
LM End	3.35	Issue Type +	Ma	Location *		LS
Category	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End
Item	Encroachi	ments		38.1293	853°	38.129353 °
пеш				-121.1394	° 804	-121.139408 °
DWR ID DWR_NA0017_11_f _ 2016_20						
		Comn	nent Cod	de		
DE : Debri	s					
		Inspecto	or Comn	nent		



View of debris on the landside of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	0.17	Rating **	Α	Issue No.		27
LM End	0.17	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.0974	40°	38.097440 °
пеш				-121.1687	'60 °	-121.168760 °
DWR ID DWR_NA0017_12_f _ 2016_27						
		Comn	nent Cod	de		
V1 : Contro easements		rass and wee	eds on th	e levee slop	pes a	and
		Inspecto	or Comm	nent		
Acceptable	e vegetatio	n.				



View of the waterside slope of the levee. Fall 2016.

LM Start	2.22	Rating **	С	Issue No.		9	
LM End	2.22	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Co	ontrol		38.1177	84°	38.117784°	
пеш				-121.1497	63°	-121.149763°	
DWR ID	DWR_NA0	017_12_s _ 201	4_9				
		Comn	nent Cod	de			
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	
		Inspecto	or Comm	nent			

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	2.25	Rating **	С	Issue No.		11
LM End	2.25	Issue Type +	Ma	Location *		LS
Category	Earthen Levee					e/Longitude
Calegory				Start		End
Item	Animal Co	ontrol		38.1178	07°	38.117807°
пеш				-121.1492	33 °	-121.149233 °
DWR ID	DWR_NA0	017_12_s _ 201	4_11			
		Comn	nent Cod	de		
A3 : No roccompact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and
		Inspecto	or Comm	nent		
1						

No Photos

LM Start	2.53	Rating **	М	Issue No.		26
LM End	2.53	Issue Type +	Ma	Location *		WS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Encroachments			38.1212	96°	38.121296°
пеш			-121.1466	43°	-121.146643°	
DWR ID	DWR_NA0	017_12_f _ 201	5_26			
		Comn	nent Coc	le		
PR : Pruni	ngs					

Inspector Comment

No Photos

LM Start	2.63	Rating **	M	Issue No.		20
LM End	2.63	Issue Type +	Ма	Location *		WS
Category	evee		GPS La	atitud	le/Longitude	
Category	Category					End
Item	Erosion /	Bank Caving		38.12169	95 °	38.121695°
item				-121.1450	79°	-121.145079°
DWR ID	DWR_NA0	017_12_f _ 201	6_20			
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						

Inspector Comment

Photo 1 of 1 : FA_2016_NA0017_156_20_20161024_00056.jpg



View of an erosion on the waterside shoulder of the levee. Fall 2016

* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

2.92	Rating **	М	Issue No.		29	
2.92	Issue Type +	Ма	Location *		WS	
Earthen L	evee		GPS La	atitud	e/Longitude	
			Start		End	
Erosion / I	Bank Caving		38.1256	54°	38.125654°	
			-121.1439	46°	-121.143946°	
DWR ID DWR_NA0017_12_f _ 2016_29						
	Comn	nent Cod	de			
lule repair	of erosion site	e prior to	the next in	spec	ction.	
	Inspecto	or Comm	nent			
	2.92 Earthen L Erosion / I	2.92 Issue Type + Earthen Levee Erosion / Bank Caving DWR_NA0017_12_f _ 2010 Comn lule repair of erosion site	2.92 Issue Type + Ma Earthen Levee Erosion / Bank Caving DWR_NA0017_12_f_2016_29 Comment Coclude repair of erosion site prior to	2.92 Issue Type + Ma Location * Earthen Levee GPS Li Start Erosion / Bank Caving 38.1256 -121.1439 DWR_NA0017_12_f _ 2016_29 Comment Code	2.92 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Erosion / Bank Caving 38.125654 -121.143946 DWR_NA0017_12_f _ 2016_29 Comment Code Jule repair of erosion site prior to the next inspect	



View of an erosion on the waterside shoulder of the levee. Fall 2016.

		D :: **		I N			
LM Start	2.97	Rating **	М	Issue No.		32	
LM End	2.97	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Stability			38.1263	04°	38.126304°	
item	Rem			-121.143996 °		-121.143996°	
DWR ID DWR_NA0017_12_f _ 2014_32							
		Comn	nent Cod	de			
S1 : Repair slope instability.							
Inspector Comment							

Photo 1 of 1 : FA_2016_NA0017_156_32_20160823_00014.jpg



View of a slope instability that was found on the waterside of the levee looking upstream.

Page 4 of 5

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	3.14	Rating **	М	Issue No.		31	
LM End	3.14	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		38.1273	90°	38.127390°	
пеш				-121.1411	197° -121.14119		
DWR ID DWR_NA0017_12_s _ 2016_31							
		Comn	nent Cod	de			
E2 : Schedule repair of erosion site prior to the next inspection.							
		Inspecto	or Comm	nent			

Photo 1 of 2 : FA_2016_	NA0017_	_156_31_	_20161024_	_00058.jp	og
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			114		
A D			10/18/	2010	
	12 O			1	

Updated picture of the erosion on the waterside shoulder of the levee. Fall 2016

LM Start 3.14 Rating ** M Issue No. 31 (cont) LM End 3.14 Issue Type + Ma Location * WS

Photo 2 of 2: FA_2016_NA0017_156_31_20160823_00013.jpg



View of an erosion on the waterside shoulder of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/18/2016 10/19/2016	Pavel Kazi

LM Start	3.46	Rating **	М	Issue No.		24	
LM End	3.46	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Odlogory				Start		End	
Item	Erosion / I	Bank Caving		38.1311	40°	38.131140°	
пеш				-121.1385	41 °	-121.138541 °	
DWR ID DWR_NA0017_12_f _ 2012_24							
		Comn	nent Cod	de			
E2 : Schedule repair of erosion site prior to the next inspection.							
		Inspecto	or Comm	nent			

Photo 1 of 2 : FA_2016_NA0017_	156_24_20160823_00011.jpg
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《新文文》	
经第7人次的 1000000000000000000000000000000000000	04/14/2016
San Carlotte Strains	

Updated picture of the erosion on the waterside of the levee during spring 2016 inspection.

LM Start 3.46 Rating ** M Issue No. 24 (cont) LM End 3.46 Issue Type + Ma Location * WS

Photo 2 of 2: FA_2016_NA0017_156_24_20160823_00012.jpg



View of the erosion on the waterside of the levee during fall 2015 inspection.

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.13	Rating **	Α	Issue No.		5	
LM End	0.13	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetation			38.1094	37°	38.109437 °	
Rem				-121.1580	-121.158060 ° -121.15		
DWR ID DWR_NA0017_13_f _ 2016_5							
		Comn	nent Cod	de			
V1 : Control annual grass and weeds on the levee slopes and easements.							
		Inspecto	or Comm	nent			
Acceptable vegetation							



View of the waterside slope of the levee. Fall 2016

LM Start	1.02	Rating **	С	Issue No.		8	
LM End	1.02	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Animal Control			38.110906°		38.110906°	
пеш	item			-121.144116 °		-121.144116°	
DWR ID	DWR_NA0	017_13_f _ 201	4_8				
		Comn	nent Cod	de			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
Inspector Comment							
						_	

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	1.21	Rating **	С	Issue No.		7			
LM End	1.21	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory			Start		End				
Item Animal Control				38.1115	13°	38.111513°			
				-121.141216°		-121.141216°			
DWR ID	DWR ID DWR_NA0017_13_f _ 2014_7								
		Comn	nent Cod	de					
A3 : No roo compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and			
		Inspecto	or Comm	nent					

No Photos

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.39	Rating **	М	Issue No.		14		
LM End	0.39	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Animal Control				38.1098	66°	38.109866 °		
пеш	item				96°	-121.153096°		
DWR ID DWR_NA0017_14_f _ 2015_14								
		Comn	nent Cod	de				
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and		
Inspector Comment								



Rodent holes were found on the waterside slope of the levee looking upstream.

LM Start	0.60	Rating **	С	Issue No.		5
LIVI Start	0.00	rtating		10000 110.		
LM End	0.60	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS La	atitud	le/Longitude	
Calegory				Start		End
Animal Control			38.111770°		38.111770°	
itom				-121.150112 °		-121.150112°
DWR ID	DWR_NA0	017_14_s _ 201	2_5			
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and						

compact or grout burrows.

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

		5 ++						
LM Start	0.60	Rating **	С	Issue No.		4		
LM End	0.60	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion /	Bank Caving		38.1117	74°	38.111774°		
item				-121.150073 °		-121.150073°		
DWR ID DWR_NA0017_14_s _ 2012_4								
		Comn	nent Cod	de				
E1 : Note	and monito	or erosion site						
Inspector Comment								

LM Start	0.64	Rating **	М	Issue No.		1			
LM End	0.64	Issue Type +	Ма	Location *		WS			
Category	Earthen L	evee		GPS L	atitud	e/Longitude			
Calegory				Start		End			
Item	Animal Co	ontrol		38.1120)50°	38.112050 °			
пеш	item				24°	-121.149524°			
DWR ID	DWR_NA0	017_14_s _ 201	2_1						
		Comn	nent Cod	de					
A1 : Extern	minate rod	ents and back	fill and c	compact or	grou	t burrows.			
		Inspecto	or Comm	nent					

LM Start	0.64	Rating **	М	Issue No.	1 (cont)
LM End	0.64	Issue Type +	Ма	Location *	WS



Updated picture of the rodent holes on the waterside of the levee. Fall 2016

Photo 2 of 2: FA_2016_NA0017_158_1_20160823_00001.jpg



View of rodent holes in the waterward berm looking downstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.72	Rating **	С	Issue No.		3		
LM End	0.72	Issue Type +	Ма	Location *		WS		
Earthen Levee			GPS La	atitud	e/Longitude			
Category				Start		End		
Animal Control				38.1118	851 °	38.111851°		
пеш			-121.1483	58°	-121.148358°			
DWR ID DWR_NA0017_14_s _ 2012_3								
		Comn	nent Cod	de				
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				

No Photos

LM Start	0.81	Rating **	С	Issue No.		2	
LM End	0.81	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	atitud	le/Longitude	
Calegory				Start		End	
Animal Control				38.110628°		38.110628°	
пеш				-121.147429°		-121.147429 °	>
DWR ID	DWR_NA0	017_14_s _ 201	2_2				
		Comn	nent Cod	le			
A1 : Exterminate rodents and backfill and compact or grout burrows.							
	Inspector Comment						

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/18/2016 10/18/2016	Pavel Kazi

LM Start	0.96	Rating **	М	Issue No.		20
LM End	0.96	Issue Type +	Ма	Location *		WS
Catagory	evee	GPS La	atitud	le/Longitude		
Category		Start		End		
Item	Erosion /	Bank Caving		38.1108	96°	38.110896°
item	-121.144791 ° -121.144					
DWR ID DWR_NA0017_14_f _ 2016_20						
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
			_			
		Inspecto	or Comm	nent		

Photo 1 of 1 : FA_2016_NA0017_158_20_20161024_00040.jpg



View of the erosion on the waterside of the levee. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

	0.00	Rating **	A/W	Issue No.		4455
LM Start	0.00	Rating	A/VV	issue ivo.		1155
LM End	0.00	Issue Type +	Ma	Location *		WS
Category		ainage & Pipi	ng	GPS L	atitud	le/Longitude
Odlogory	Systems			Start		End
Item	Vegetatio	n & Obstruction	ons	0.0000	° 000	0.000000°
пеш						0.000000°
DWR ID	DWR_NA0	017_15_s _ 201	4_1155			
		Comn	nent Cod	de		
Inspector Comment						
This is the Upper Calaveras river channel. No levee exists.						



View of the dam at the starting of the Mormon slough.

LM Start	0.39	Rating **	М	Issue No.		7		
LM End	1.30	Issue Type +	Ма	Location *		WS		
Category				GPS Latitude/Longitude				
Category				Start		End		
Item	DWR Ero	sion Survey		38.0458	18°	38.045818°		
item				-121.0239	55 °	-121.023955 °		
DWR ID								
	Comment Code							

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change has been observed.

09/12/2013: No significant change observed.

08/22/2012: Site has been revisited. No significant change observed.

09/02/2011: No significant change observed on site.

11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.

08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion." 8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U". 2007: Visited site 02/06/2007; possible critical site. [2016 Site ID:NA0017U15RM22.91]

Photo 1 of 2: SJR2016 NA0017U15RM22.91 2.jpg



Close view of the erosion. Note the dense vegetation and trees on site.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	0.39	Rating **	М	Issue No.		7 (cont)
LM End	1.30	Issue Type +	Ма	Location *		WS
Category				GPS Latitude/Longitude		
Calegory	egory					End
Item	DWR Ero	sion Survey		38.0458	18°	38.045818°
item				-121.0239	55 °	-121.023955 °
DWR ID						

Inspector Comment

Comment Code

08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change has been observed.

09/12/2013: No significant change observed.

08/22/2012: Site has been revisited. No significant change observed.

09/02/2011: No significant change observed on site.

11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.

08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion." 8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U". 2007: Visited site 02/06/2007; possible critical site. [2016 Site ID:NA0017U15RM22.91]



Looking down at the site.

LM Start	1.23	Rating **	М	Issue No.		190	
LM End	1.23	Issue Type +	Ма	Location *	CR		
Category Earthen Levee				GPS L	atitud	e/Longitude	
Category			Start		End		
Item		rface / Depres	ssions /	38.041093°		38.041093°	
пеш	Rutting			-121.028036 °		-121.028036°	
DWR ID	DWR_NA0	017_15_f _ 201	6_190				
		Comn	nent Coo	le			
C3 : Add appropriate gravel or road base. Grade and compact.						pact.	
		Inspecto	or Comm	ent			

Photo 1 of 1 : FA_2016_NA0017_159_190_20161024_00309.jpg



View of crown depression on the levee. Fall 2016

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated
N: Not Inspected/Rated
C: Corrected
M: Minimally Acceptable
C: Corrected
M: Minimally Acceptable
U: Unacceptable
AW: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	1.45	Rating **	N	Issue No.		1128	
LM End	1.45	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Trim / Thi		38.0401	88°	38.040188°		
пеш			-121.0318	54°	-121.031854°		
DWR ID	DWR_NA0	017_15_s _ 201	2_1128				
		Comn	nent Coc	de			
T5 : Tree s	tumps.						
	Inspector Comment						
		Inspecto	or Comm	nent			

No Photos

		5 ++						
LM Start	1.49	Rating **	М	Issue No.		995		
LM End	1.49	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Category	Calegory			Start		End		
Item	Slope Stability			38.040202°		38.040202°		
пеш				-121.0326	59°	-121.032659°		
DWR ID	DWR_NA0	017_15_s _ 201	2_995					
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						

Inspector Comment

The LMA was working on fixing the erosion site using an excavator during the inspection.



View of erosion of waterward levee slope looking upstream.

LM Start	1.86	Rating **	С	Issue No.		119			
LM End	1.86	Issue Type +	Ma	Location *	CR				
Category	Earthen L	GPS La	atitud	e/Longitude					
Calegory				Start		End			
Item	Animal Co	Animal Control			72°	38.038472	0		
пеш				-121.0389	66°	-121.038966	0		
DWR ID	DWR_NA0								
Comment Code									

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

The hole could possibly be for a survey marker.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	1.92	Rating **	М	Issue No.		120		
LM End	1.92	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Slope Stability			38.0379	19°	38.037919°			
пеш				-121.0397	'49 °	-121.039749°		
DWR ID	DWR_NA0017_15_f _ 2015_120							
		Comn	nent Cod	de				
S1 : Repai	ir slope ins	tability.						
		Inspecto	or Comn	nent				
It was cau	sed by run	off.						



A slope instability possible cause by runoff on the landside of the levee looking upstream.

LM Start	2.02	Rating **	С	Issue No.		123		
LM End	2.02	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Slope Stability			38.0367	'24 °	38.036724°			
nem				-121.040795 °		-121.040795 °		
DWR ID	DWR ID DWR_NA0017_15_f _ 2015_123							
		Comn	nent Cod	de				
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	and	l prevent		
		Inspecto	or Comm	nent				

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	2.05	Rating **	М	Issue No.		18		
LM End	2.05	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Slope Stability			38.0362	94°	38.036294°			
item				-121.0410)89°	-121.041089 °		
DWR ID	DWR_NA0	017_15_s _ 201	2_18					
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						
Inspector Comment								

Photo 1 of 2 : FA_2016_NA0017	_159_18_20160823_	_00026.jpg
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Updated picture of the slope instability at the waterside slope of the levee looking upstream.

LM Start 2.05 Rating ** M Issue No. 18 (cont) LM End 2.05 Issue Type + Ma Location * WS





Slope instability was found on the waterside toe of the levee looking downstream.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	2.35	Rating **	N	Issue No.		191		
LM End	2.35	Issue Type +	Ма	Location * LS		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory			Start		End			
Trim / Thin Trees			38.0332	° 802	38.033208°			
item				-121.044796 °		-121.044796°		
DWR ID	DWR_NA0017_15_f _ 2016_191							
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
			•					
		Inspecto	or Comm	nent				

No Photos

LM Start	2.60	Rating **	С	Issue No.		5	
LIVI Start	2.00		U				
LM End	2.60	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
ltem Encroachments			38.0305	61°	38.030561 °		
			-121.047958 °		-121.047958°		
DWR ID	DWR ID DWR_NA0017_15_s _ 2016_5						
		Comn	nent Coc	le			
PR : Pruni	ngs						
		Inspecto	or Comm	ent			

No Photos

		5 **					
LM Start	2.71	Rating **	С	Issue No.	9		
LM End	2.71	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
				Start		End	
Item	Encroach	ments		38.0294	68°	38.029468	0
item		-121.049390 °		-121.049390	٥		
DWR ID	DWR_NA0	017_15_s _ 201	6_9				
		Comn	nent Cod	de			
PR : Pruni	ngs						
		Inspecto	or Comm	nent			

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	2.71	Rating **	М	Issue No.		27		
LM End	2.71	Issue Type +	Ma	Location *		LS		
Earthen Levee				GPS L	atitud	e/Longitude		
Category				Start		End		
Item	Slope Stability				885°	38.029385 °		
item		-121.0495	28°	-121.049528°				
DWR ID DWR_NA0017_15_f _ 2016_27								
		Comn	nent Cod	de				
	ir the levee ere possib	slope damaç le.	ed by ve	ehicle traffic	and	prevent		
		Inspecto	or Comm	nent				



View of slope instability on the landside toe of the levee looking downstream. Fall 2016

LM Start	2.82	Rating **	С	Issue No.		127	
LM End	2.82	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Slope Sta	bility		38.0284	05°	38.028405°	
пеш	item				62°	-121.051062°	
DWR ID DWR_NA0017_15_f _ 2015_127							
		Comn	nent Cod	de			
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	and	I prevent	
		Inspecto	or Comm	nent			

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

	_							
LM Start	2.87	Rating **	С	Issue No.		213		
LM End	2.87	Issue Type +	Ma	Location *		LS		
Earthen Levee			GPS La	atitud	e/Longitude			
Category				Start		End		
Item	Animal Co	ontrol		38.0279	92°	38.027992°		
пеш				-121.0517	'62 °	-121.051762°		
DWR ID DWR_NA0017_15_s _ 2016_213								
		Comn	nent Cod	de				
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				

No Photos

LM Start	2.89	Rating **	С	Issue No.		214	
LM End	2.89	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Animal Co	ontrol		38.0278	10°	38.027810°	
item				-121.0520	85 °	-121.052085 °	
DWR ID DWR_NA0017_15_s _ 2016_214							
Comment Code							

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent hole was recently filled up but not grouted.

No Photos

N: Not Inspected/Rated C : Corrected

+ Issue Type

A/W : Acceptable but Monitor & Maintain

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.34	Rating **	М	Issue No.		12		
LM End	3.34	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroachi	ments		38.0238	17°	38.023817°		
item				-121.0584	65°	-121.058465 °		
DWR ID DWR_NA0017_15_s _ 2012_12								
		Comn	nent Cod	de				
PR : Pruni	ngs							
		Inspecto	or Comm	nent				
Burn pile has been burned but new material has been placed.								



New material was placed at the toe of the landside of the levee. The picture was taken from the crown looking downstream.

LM Start	3.34	Rating **	С	Issue No.	130		
LM End	3.34	Issue Type +	Ма	Location *		LS	
Cotoron Earthen Levee			GPS La	atituc	le/Longitude		
Category	Category			Start		End	
Animal Control			38.0238	04°	38.023804°		
пеш				-121.0584	-80°	-121.058480 °	
DWR ID	DWR_NA0	017_15_f _ 201	5_130				
		Comn	nent Coc	de			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
Inspector Comment							
1							

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.50	Rating **	М	Issue No.		217		
LM End	3.50	Issue Type +	Ma	Location *		LS		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Animal Control				39°	38.022139°		
пеш	em				61 °	-121.060661 °		
DWR ID	DWR ID DWR_NA0017_15_s _ 2016_217							
		Comn	nent Cod	le				
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and		
		Inspecto	or Comm	ent				

No Photos

LM Start	3.55	Rating **	М	Issue No.		218
LM End	3.55	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Animal Co	ontrol		38.0217	01°	38.021701 °
пеш						-121.061178°
DWR ID	DWR_NA0	017_15_s _ 201	6_218			·
		Comn	nent Cod	de		
A3 : No roccompact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and
	Inspector Comment					



View of rodent holes on the waterside of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.77	Rating **	U	Issue No.		208
LM End	3.77	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Animal Co	ontrol		38.0190	26°	38.019026°
item				-121.0634	79°	-121.063479°
DWR ID	DWR_NA0	017_15_s _ 201	5_208			
		Comn	nent Cod	de		
	dents visib r grout bur	le, but rodent rows.	burrows	visible; nee	ed to	backfill and
		Inspecto	or Comm	nent		



A rodent hole was found on the waterside of the levee. The picture was taken from the opposite side of the levee.

LM Start	3.78	Rating **	М	Issue No.		43
LM End	3.78	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Slope Sta	bility		38.0191	19°	38.019119°
item				-121.064034°		-121.064034°
DWR ID	DWR_NA0	017_15_f _ 201	2_43			
		Comn	nent Cod	de		
S1 : Repai	r slope ins	tability.				
		Inspecto	or Comm	nent		





Updated picture of the slope instability on the waterside slope of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.78	Rating **	М	Issue No.	43 (cont)		
LM End	3.78	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.0191	19°	38.019119°	
пеш				-121.064034°		4° -121.064034°	
DWR ID	DWR_NA0	017_15_f _ 201	2_43				
		Comn	nent Cod	de			
S1 : Repa	ir slope ins	tability.					
		Inspecto	or Comn	nent			



Slope instability was found on the landside slope of the levee looking downstream.

LM Start	3.89	Rating **	М	Issue No.		44
LM End	3.89	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitude	e/Longitude
Calegory				Start		End
Item	Slope Sta	bility		38.0179	45°	38.017945°
пеш				-121.065295 °		-121.065295 °
DWR ID	DWR_NA0	017_15_f _ 201	2_44			
		Comn	nent Cod	de		
S1 : Repai	ir slope ins	tability.				
		Inspecto	or Comm	nent		

Photo 1 of 2 : FA_2016_NA0017_159_44_20161024_00313.jpg



Updated picture of the slope instability on the waterside shoulder of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	3.89	Rating **	М	Issue No.		44 (cont)
			Ma	Location *		WS
LM End	3.89	Issue Type +	IVIA	Location		VVS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
- Calogoly				Start		End
Item	Slope Sta	bility		38.0179	45°	38.017945 °
item				-121.0652	95°	-121.065295 °
DWR ID	DWR_NA0	017_15_f _ 201	2_44			
		Comn	nent Cod	de		
S1 : Repai	r slope ins	tability.				
		Inspecto	or Comm	nent		



Updated picture of the slope instability on the waterside slope of the levee looking upstream. This picture was taken during fall 2014 inspection.

LM Start	3.93	Rating **	М	Issue No.		195
LM End	3.93	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Encroachi	ments		38.0174	66°	38.017466 °
item				-121.0657	'93 °	-121.065793 °
DWR ID	DWR_NA0	017_15_f _ 201	6_195			
		Comn	nent Cod	de		
PR : Prunii	ngs					
		Inspecto	or Comm	nent		

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.13	Rating **	С	Issue No.		219	
LM End	4.13	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		38.0150	08°	38.015008°	
пеш				-121.0674	.77°	-121.067477°	
DWR ID	DWR_NA0	017_15_s _ 201	6_219				
		Comn	nent Cod	de			
	dents visib r grout bur	le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			

LM Start	4.20	Rating **	М	Issue No.		19	
LM End	4.20	Issue Type +	Ма	Location *	LS		
Catagory	Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item	Encroachments			38.014025°		38.014025°	
пеш				-121.0679	83°	-121.067983 °	
DWR ID	DWR_NA0017_15_s _ 2012_19						
Comment Code							
PR : Prunings							
Inspector Comment							
Burn pile has been burned but new material has been placed.							



Updated picture of the prunings pile on the landside of the levee looking downstream during fall 2013 inspection.

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Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.20	Rating **	М	Issue No.		19 (cont)	
LM End	4.20	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Encroachments			38.014025°		38.014025°	
пеш				-121.067983 °		-121.067983°	
DWR ID	DWR_NA0017_15_s _ 2012_19						
Comment Code							
PR : Pruni	ngs						
Inspector Comment							
Burn pile has been burned but new material has been placed.							



Example of a prunings pile immediately adjacent to access road. Evidence of habitual burnings at this site.

LM Start	4.28	Rating **	U	Issue No.	124		
LM End	4.28	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Category			Start		End		
Item	Animal Control			38.012910°		38.012910 °	
пеш			-121.0679	96°	-121.067996 °		
DWR ID	DWR_NA0017_15_s _ 2013_124						
Comment Code							
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							

Inspector Comment

Picture was taken from the other side of the levee.

Photo 1 of 1: FA_2016_NA0017_159_124_20160823_00106.jpg



An animal hole was found on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

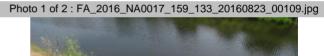
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.31	Rating **	С	Issue No.		209	
LM End	4.31	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Erosion / Bank Caving			38.0124	74°	38.012474°		
пеш	Item				44 °	-121.068144°	
DWR ID DWR_NA0017_15_s _ 2015_209							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
Inspector Comment							
It was started from rodent holes.							

LM Start	4.51	Rating **	М	Issue No.		133		
LM End	4.51	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory			Start		End			
Erosion / Bank Caving				38.0097	'53 °	38.009753°		
пеш	Item			-121.069559°		-121.069559°		
DWR ID DWR_NA0017_15_f _ 2015_133								
		Comn	nent Cod	le				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
			_					
Inspector Comment								





Updated view of the erosion on the waterside shoulder during spring 2016 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.51	Rating **	М	Issue No.	133 (cont)		
LM End	4.51	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory						End	
Item	Erosion / Bank Caving			38.0097	'53 °	38.009753	
item			-121.069559 °		-121.069559		
DWR ID	DWR_NA0	017_15_f _ 201	5_133				
		Comn	nent Cod	de			
E2 : Sche	dule repair	of erosion site	e prior to	the next in	spec	tion.	
Inspector Comment							



Erosion was found on the waterside shoulder of the levee looking downstream.

LM Start	4.63	Rating **	М	Issue No.		96	
LM End	4.63	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Odlogory			Start		End		
Item	Erosion / I	38.0080	53°	38.008053°			
item	item				41 °	-121.070141 °	
DWR ID	DWR_NA0	017_15_s _ 201	2_96				
		Comn	nent Cod	de			
E1: Note a	and monito	r erosion site					
Inspector Comment							
LMA has fixed the issue but the riprap has rebar which can be dangerous during a flood fighting effort.							

Photo 1 of 3 : FA_2016_NA0017_159_96_20160823_00090.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during spring 2013 inspection.

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	4.63	Rating **	М	Issue No.		96 (cont)	
LM End	4.63	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		38.0080	53°	38.008053°	
пеш	item				41 °	-121.070141 °	
DWR ID DWR_NA0017_15_s _ 2012_96							
		Comn	nent Cod	de			
E1 : Note a	and monito	or erosion site					
			_				
		Inspecto	or Comm	nent			
LMA has fixed the issue but the riprap has rebar which can be dangerous during a flood fighting effort.							

Photo 2 of 3 : FA_2016_NA0017_159_96_20160823_00091.jpg
NAVE/2012

The LMA has fixed the erosion on the landside slope of the levee but the riprap contains exposed rebar which could be dangerous during a flood fight.

LM Start	4.63	Rating **	М	Issue No.	96 (cont)
LM End	4.63	Issue Type +	Ma	Location *	WS

Photo 3 of 3: FA_2016_NA0017_159_96_20160823_00092.jpg



Erosion was found on the waterside slope of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	5.03	Rating **	С	Issue No.		171		
LM End	5.03	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory						End		
Item	Erosion /		38.0031	05°	38.003105°			
пеш		-121.073585 °		-121.073585°				
DWR ID	DWR ID DWR_NA0017_15_f _ 2014_171							
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		
Inspector Comment								
Bank Caving.								

No Photos

LM Start	5.04	Rating **	М	Issue No.		1009		
LM End	5.04	Issue Type +	Ma	Location *		WS		
Category	Earthen Levee				GPS Latitude/Longitude			
Calegory						End		
Item	Slope Sta	ppe Stability			21°	38.003021°		
пеш				-121.0736	58°	-121.073658°		
DWR ID	DWR_NA0	017_15_s _ 201	2_1009					
		Comn	nent Cod	le				
S1 : Repai	r slope ins	tability.						

Inspector Comment

Photo 1 of 1: FA_2016_NA0017_159_1009_20160823_00155.jpg



View of a slip in the waterward levee slope looking downstream.

LM Start	5.52	Rating **	A/W	Issue No.		202
LM End	5.52	Issue Type +	Ма	Location *	n* WS	
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	Erosion /	Bank Caving		37.9972	57°	37.997257°
item						-121.078775°
DWR ID	DWR_NA0	017_15_s _ 201	6_202			

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

This portion of the levee is non-project. Therefore, the rating was given A/W.



View of an erosion on the waterside shoulder of the levee.

* Location + Issue Type Ma : Maintenance Deficiancy N/A: Not Applicable LS: Land Side A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated WS: Water Side C : Corrected Ob : Design & System Obsolescence U : Unacceptable A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	6.61	Rating **	A/W	Issue No.		79
LM End	6.74	Issue Type +	Ма	Location *		LS
Cotogony	GPS La	atitud	e/Longitude			
Category				Start		End
Item	Erosion /	Bank Caving		37.9845	18°	37.983260 °
пеш				-121.090267°		-121.092022 °
DWR ID	DWR_NA0	017_15_s _ 201	2_79			
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site				
		Inspecto	or Comm	nent		
Farmer tilli	ng & drivir	ng onto levee,	causing	erosion.		

No Photos

LM Start	6.67	Rating **	A/W	Issue No.		140	
LM End	6.67	Issue Type +	Ma	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Calegory	zategory					End	
Item	Animal Co	ontrol		37.983817°		37.983817°	
itom				-121.0911	41 °	-121.091141°	
DWR ID	DWR_NA0	017_15_f _ 201	5_140				
Comment Code							
Δ3 · No ro	dente vieih	le hut rodent	hurrows	visible: nee	d to	hackfill and	

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

This portion of the levee is non-project. Therefore, the rating was given as A/W.

Photo 1 of 2: FA_2016_NA0017_159_140_20161024_00314.jpg



Updated picture of the rodent holes on the landside of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	6.67	Rating **	A/W	Issue No.		140 (cont)	
LM End	6.67	Issue Type +	Ма	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Calegory			Start		End		
Item	Animal Co	ontrol	37.983817°		37.983817°		
item				-121.0911	41 °	-121.091141°	
DWR ID	DWR_NA0	017_15_f _ 201	5_140				
Comment Code							
A3 : No rodents visible, but rodent burrows visible; need to backfill and							

compact or grout burrows.

Inspector Comment

This portion of the levee is non-project. Therefore, the rating was given as A/W.



Rodent holes were found on the landside shoulder of the levee looking downstream.

LM Start	6.68	Rating **	С	Issue No.		139	
LM End	6.68	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Animal Co	ontrol		37.983817°		37.983817°	
пеш				-121.0911	42 °	-121.091142°	
DWR ID	DWR_NA0	017_15_f _ 201	5_139			:	
Comment Code							

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	6.96	Rating **	М	Issue No.		115	
LM End	7.20	Issue Type +	Ма	Location *		LS	
Category	evee	GPS La	atitud	le/Longitude			
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.9813	887°	37.979749°	
item				-121.0953	870°	-121.099178°	
DWR ID	DWR ID DWR_NA0017_15_s _ 2014_115						
		Comn	nent Cod	de			
T1 : Trim t	rees to at l	east five feet	above g	round level			
		Inspecto	or Comm	nent			
Trees brar	ches were	obstructing t	he acces	ss/patrol roa	ad.		



Tree limbs were obstructing the visibility of the crown of the levee looking downstream.

LM Start	7.21	Rating **	С	Issue No.		102		
LM End	7.21	Issue Type +	Ма	Location *		WS		
Category	evee	GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Encroachi	ments		37.9796	12°	37.979612°		
Item	-121.099390 ° -121.099							
DWR ID	DWR ID DWR_NA0017_15_s _ 2012_102							
		Comn	nent Cod	de				
DE : Debri	S							
			_					
		Inspecto	or Comm	nent				

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	7.73	Rating **	М	Issue No.		84	
LM End	7.73	Issue Type +	Ма	Location * WS		WS	
Category	evee	GPS Latitude/Longitude					
Calegory		Start End					
Item	Animal Co	ontrol		37.9756	79°	37.975679	0
item				-121.1072	46 °	-121.107246	0
DWR ID DWR_NA0017_15_f _ 2016_84							
	Comment Code						

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent hole on the shoulder of the waterside of the levee. It might cut into the access road in future.



View of a rodent hole on the waterside of the levee looking downstream. Fall 2016

LM Start	8.39	Rating **	A/W	Issue No.		146		
LM End	8.39	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Category	category					End		
Item	Erosion / I	Bank Caving		37.969822 °		37.969822 °		
item				-121.1160	57°	-121.116057°		
DWR ID	DWR_NA0	017_15_f _ 201	5_146					
Comment Code								
E2: Sched	E2 : Schedule repair of erosion site prior to the next inspection.							

Inspector Comment

This portion of the levee is non-project. Therefore, the rating was given as A/W.

Photo 1 of 1: FA_2016_NA0017_159_146_20160823_00116.jpg



Erosion was found on the waterside of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	8.39	Rating **	A/W	Issue No.		82	
LM End	8.39	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee	GPS La	GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation 37.969811 ° 37.96						
пеш	-121.116078 ° -121.11607						
DWR ID DWR_NA0017_15_s _ 2016_82							
		Comn	nent Cod	de			
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			
Arundo on the waterside toe.							



View of arundo on the waterside toe of the levee.

LM Start	8.43	Rating **	A/W	Issue No.		65	
LM End	8.43	Issue Type +	Ma	Location *	WS		
Category	evee	GPS Latitude/Longitude					
Calegory						End	
Item	Erosion / I		37.969748°		37.969748°		
пеш				-121.1167	'67 °	-121.116767°	
DWR ID	DWR_NA0	017_15_s _ 201	3_65				
Comment Code							
E2 : Sched	E2 : Schedule repair of erosion site prior to the next inspection.						

Inspector Comment

This portion of the levee is non-project. Therefore, the rating was given as A/W.

Photo 1 of 2: FA_2016_NA0017_159_65_20160823_00075.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during fall 2015 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	8.43	Rating **	A/W	Issue No.	65 (cont)		
LM End	8.43	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		37.9697	'48 °	37.969748°	
пеш	-121.116767° -121.1167						
DWR ID	DWR_NA0	017_15_s _ 201	3_65			·	
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
Inspector Comment							
This portio as A/W.	This portion of the levee is non-project. Therefore, the rating was given						

Photo 2 of 2 : FA_2016_NA0017_159_65_20160823_00076.jpg

View of the slope instability on the waterside of the levee looking downstream during spring 2014 inspection.

LM Start	8.43	Rating **	М	Issue No.		6
LM End	8.43	Issue Type +	Ma Location			WS
Category	Suppleme	ental		GPS La	atitud	le/Longitude
Category			Start		End	
Item	DWR Eros	sion Survey		37.9697	11°	37.969711°
пеш				-121.1167	39°	-121.116739°
DWR ID						

Comment Code

Inspector Comment

08/16/2016: The erosion was not visible due to dense vegetation at the site.

08/12/2015: No significant change observed. More vegetation is observed at the site.

08/20/2014: No significant change observed.

09/12/2013: The erosion has been caused by runoff. [2016 Site

ID:NA0017U15RM14.49]

Photo 1 of 2: SJR2016_NA0017U15RM14.49_1.jpg



Looking down at the erosion site from the levee crest. Erosion was covered by dense vegetation.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	8.43	Rating **	М	Issue No. 6 (cont)			
LM End	8.43	Issue Type +	Ма	Location *	WS		
Category	Suppleme	ental	GPS Latitude/Longitude				
Calegory			Start		End		
Item	DWR Ero	sion Survey		37.9697	11 °	37.969711°	
пеш				-121.1167	39°	-121.116739°	
DWR ID							
	Comment Code						

Inspector Comment

08/16/2016: The erosion was not visible due to dense vegetation at the

08/12/2015: No significant change observed. More vegetation is observed at the site.

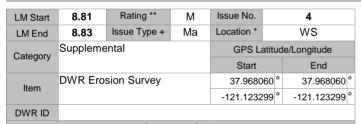
08/20/2014: No significant change observed.

09/12/2013: The erosion has been caused by runoff. [2016 Site

ID:NA0017U15RM14.49]



Close view of the erosion site covered by dense vegetation.



Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: Both ends of the erosion site are protected by riprap. [2016

Site ID:NA0017U15RM13.87]



Photo 1 of 3: SJR2016_NA0017U15RM13.87_1.jpg



View of the site from left river bank.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	8.81	Rating **	М	Issue No.		4 (cont)	
LM End	8.83	Issue Type +	Ма	Location *		WS	
Category				GPS Latitude/Longitude			
Category			Start		End		
Item	DWR Eros	sion Survey		37.9680)60°	37.968060 °	
пеш				-121.1232	299°	-121.123299 °	
DWR ID							
		Comn	nent Cod	de			
			_				
		Inspecto	or Comm	nent			
		ficant change					
		ficant change					
	08/20/2014: Both ends of the erosion site are protected by riprap. [2016						
Site ID:NA	Site ID:NA0017U15RM13.87]						

LM Start	8.81	Rating **	M	Issue No.	4 (cont)
LM End	8 83	Issue Type +	Ma	Location *	WS



Close view of the erosion.

Photo 3 of 3: SJR2016_NA0017U15RM13.87_4.jpg



Close view of the erosion.

		D-4: **		Issue No.		404		
LM Start	9.39	Rating **	С	issue ivo.	121			
LM End	9.39	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee	GPS La	atitud	e/Longitude			
Category				Start		End		
Item	Slope Sta	bility		37.9671	55°	37.967155°		
item				-121.1332	.77°	-121.133277°		
DWR ID	DWR ID DWR_NA0017_15_f _ 2012_121							
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						
		Inspecto	or Comm	nent				

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	9.82	Rating **	С	Issue No.		151	
LM End	9.82	Issue Type +	Ma	Location *		WS	
Cotogony	Earthen L	evee	GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Encroachi	ments		37.9653	69°	37.965369°	
item				-121.1405	59°	-121.140559°	
DWR ID DWR_NA0017_15_f _ 2015_151							
		Comn	nent Cod	de			
DE : Debri	S						
Inspector Comment							

No Photos

LM Start	9.83	Rating **	A/W	Issue No.		126	
LM End	9.83	Issue Type +	Ma	Location *		WS	
Catagory	Earthen L	evee		GPS La	atitud	le/Longitude	
Category			Start		End		
Item	Animal Co	ontrol		37.9653	43°	37.965343	0
item				-121.1407	61 °	-121.140761	0
DWR ID DWR_NA0017_15_s _ 2014_126							
		Comp	nent Coc	10			

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

This portion of the levee is non-project. Therefore, the rating was given as A/W.

Photo 1 of 1 : FA_2016_NA0017_159_126_20160823_00107.jpg



View of rodent holes on the waterside of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

	5 .:								
9.90	Rating **	A/W	Issue No.		68				
9.90	Issue Type +	Ma	Location *		WS				
Category Earthen Levee					GPS Latitude/Longitude				
			Start		End				
Slope Sta	Slope Stability 37.965165° 37.965166								
	-121.141928 ° -121.141928								
DWR ID DWR_NA0017_15_s _ 2013_68									
	Comn	nent Cod	de						
r slope ins	tability.								
Inspector Comment									
This portion of the levee is non-project. Therefore, the rating was given as A/W.									
	Earthen L Slope Sta DWR_NA00 r slope ins	9.90 Issue Type + Earthen Levee Slope Stability DWR_NA0017_15_s _ 201 Comm r slope instability. Inspector	9.90 Issue Type + Ma Earthen Levee Slope Stability DWR_NA0017_15_s _ 2013_68 Comment Coorr slope instability.	9.90 Issue Type + Ma Location * Earthen Levee GPS Li Start	9.90 Issue Type + Ma Location * Earthen Levee GPS Latitude Start Slope Stability 37.965165 -121.141928 DWR_NA0017_15_s _ 2013_68 Comment Code r slope instability. Inspector Comment				



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	10.90	Rating **	С	Issue No.	152	
LM End	10.90	Issue Type +	Ma	Location *	WS	
Category	evee	GPS Latitude/Longitude				
Category				Start		End
Item	Animal Control			37.9622	72°	37.962272°
пеш					93 °	-121.159393 °
DWR ID	DWR_NA0	017_15_f _ 201	5_152			
		Comn	nent Cod	de		
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
		Inspect	or Comm	ent		

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

	12.30	Rating **	М	Issue No.	155		
LM End	12.30	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion / I	Bank Caving		37.9614	10°	37.961410°	
пеш	-121.184231 ° -121.184231						
DWR ID DWR_NA0017_15_s _ 2015_155							
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.	
		Inchacte	or Comm	ont			
		mspecio	or Comm	ieni			



View of slope instability on the landside of the levee looking upstream.

LM Start	12.62	Rating **	М	Issue No.		224	
LM End	12.62	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Ory			Start		End	
Item	Animal Control			37.961012°		37.961012°	
пеш				-121.1899	85°	-121.189985°	
DWR ID	DWR_NA0	017_15_s _ 201	6_224				
Comment Code							
A3 : No ro	dents visib	le, but rodent	burrows	visible; nee	ed to	backfill and	

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent holes on the landside slope of the levee.

LM Start	12.72	Rating **	М	Issue No.		104
LM End	12.80	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	titud	e/Longitude
Category				Start		End
Item	Vegetatio	n		37.96077	'4 °	37.960319°
пеш				-121.19182	23°	-121.193147°
DWR ID	DWR_NA0	017_15_f _ 201	6_104			

Comment Code

 $\ensuremath{\mathsf{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



View of vegetation on the landside toe of the levee. Fall 2016

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	14.59	Rating **	M	Issue No.		201	
LM End	14.59	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
ltom	Item Animal Control			37.9702	81 °	37.970281 °	
пеш				-121.221683 °		-121.221683 °	
DWR ID DWR_NA0017_15_f _ 2016_201							
		Comn	nent Cod	de			
A3 : No roccompact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	
		Inspecto	or Comm	nent			



View of a rodent hole on the waterside toe of the levee. Fall 2016

-						
LM Start	14.69	Rating **	М	Issue No.		203
LM End	14.69	Issue Type +	Ma	Location *		LS
Catagory	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
ltem Encroachments			37.9710	35°	37.971035°	
пеш	item			-121.2231	97°	-121.223197°
DWR ID DWR_NA0017_15_f _ 2016_203						
		Comn	nent Cod	de		
DE : Debri	S					
			_			
		Inspecto	or Comm	nent		

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Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	15.04	Rating **	М	Issue No.		180	
LM End	15.04	Issue Type +	Ма	Location *		WS	
Category	Concrete	Floodwalls		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Monolith .	loints		37.9734	16°	37.973416°	
пеш		-121.2289	22°	-121.228922°			
DWR ID	DWR_NA0017_15_f _ 2014_180						
		Comn	nent Cod	de			
Inspector Comment							



The monolith joint is deteriorating on the waterside shoulder of the levee.

LM Start	15.37	Rating **	М	Issue No.		154	
LM End	15.37	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
14	Animal Control			37.9756	71°	37.975671 °	
пеш				-121.234277 °		-121.234277°	
DWR ID	DWR_NA0	017_15_f _ 201	5_154				
		Comn	nent Cod	de			
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
	Inspector Comment						



View of rodent holes on the landside of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

		5 ++					
LM Start	15.41	Rating **	М	Issue No.		194	
LM End	15.41	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Animal Control			37.9758	93°	37.975893°		
пеш	Item			-121.2348	58°	-121.234858 °	
DWR ID	DWR_NA0017_15_s _ 2015_194						
		Comn	nent Cod	de			
A3 : No roo compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			



Rodent holes were found on the landside of the levee looking downstream.

LM Start	15.42	Rating **	М	Issue No.		204
LM End	15.42	Issue Type +	Ma	Location *		WS
Category	Concrete	Floodwalls		GPS L	atitud	e/Longitude
Category		Start		End		
Item	Monolith .	Joints		37.9759	33°	37.975933°
пеш		-121.2349	72°	-121.234972°		
DWR ID	DWR_NA0	017_15_f _ 201	6_204			
		Comn	nent Cod	de		
		Inspecto	or Comm	nent		



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	15.42	Rating **	М	Issue No.		32	
LM End	15.42	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category			Start		End		
Item	Animal Co	ontrol		37.9759	59°	37.975959°	
пеш				-121.2350	58°	-121.235058 °	
DWR ID	DWR ID DWR_NA0017_15_s _ 2014_32						
		Comn	nent Cod	de			
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	
		Inspecto	or Comm	nent			

Photo 1 of 2 : FA_2016_	NA0017_159_32	2_20160823_00046	3.jpg
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Updated picture of the rodent hole on the landside of the levee during spring 2015 inspection.

LM Start	15.42	Rating **	М	Issue No.	32 (cont)
LM End	15.42	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_NA0017_159_32_20160823_00047.jpg



A rodent hole was found on the landside of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	15.43	Rating **	М	Issue No.		71		
LM End	15.43	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Animal Co	ontrol		37.9760	00°	37.976000°		
пеш				-121.2351	56°	-121.235156 °		
DWR ID	DWR_NA0	017_15_s _ 201	3_71					
		Comn	nent Cod	de				
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				
Rodent co	Rodent control program has been in place.							

LM Start	15.43	Rating **	М	Issue No.	71 (cont)
LM End	15.43	Issue Type +	Ma	Location *	LS



Updated picture of the rodent holes on the landside shoulder of the levee. Fall 2016

Photo 2 of 2: FA_2016_NA0017_159_71_20160823_00080.jpg



Updated picture of the rodent holes on the landside of the levee looking downstream during fall 2015 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	15.75	Rating **	М	Issue No.		205	
LM End	15.75	Issue Type +	Ма	Location *		WS	
Category	Concrete	Floodwalls		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Monolith .	Joints		37.9782	253°	37.978253°	
item				-121.2403	891 °	-121.240391 °	
DWR ID	DWR_NA0	017_15_f _ 201	6_205				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
		тороск	J. 00	10111			

No Photos

LM Start 15.79 Rating ** Issue No. 196 Issue Type + Location * WS 15.79 Ma LM End Concrete Floodwalls GPS Latitude/Longitude Category Monolith Joints 37.978513° 37.978513° Item -121.240984° -121.240984° DWR ID DWR NA0017 15 s 2015 196 Comment Code

No Photos

Inspector Comment The monolith joint material is deteriorating at this location of the flood wall.

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	16.14	Rating **	М	Issue No.		198	
LM End	16.14	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		37.9809	61°	37.980961 °	
пеш				-121.2465	553°	-121.246553°	
DWR ID	DWR_NA0	017_15_s _ 201	5_198				
		Comn	nent Cod	de			
S1 : Repai	r slope ins	tability.					
		1	0	1			
		Inspecto	or Comm	nent			
Runoff							



View of slope instability due to runoff on the landside of the levee looking upstream.

LM Start	16.20	Rating **	М	Issue No.		86	
LM End	16.20	Issue Type +	Ma	Location *		WS	
Category	Concrete	Floodwalls		GPS La	atitud	le/Longitude	
Odlogory				Start		End	
Item	Monolith J	Joints		37.9813	63°	37.981363°	
itom				-121.2476	01°	-121.247601 °	
DWR ID	DWR_NA0	017_15_f _ 201	3_86			· ·	
		Comn	nent Cod	de			
			_				
Inspector Comment							
The monolith joint material is deteriorating at this location of the flood wall.							

No Photos

N: Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	16.26	Rating **	М	Issue No.		197
LM End	16.26	Issue Type +	Ma	Location *		WS
Category	Concrete	Floodwalls		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Monolith .	Joints		37.9817	70°	37.981770°
item				-121.248521 °		-121.248521 °
DWR ID	DWR_NA0	017_15_s _ 201	5_197			
		Comn	nent Cod	de		
Inspector Comment						
The monolith joint material is deteriorating at this location of the flood wall.						

Photo 1 of 1 : FA_2016_NA0017_159_197_20161028_00324.jpg



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016

11101	46.06	Rating **	С	Issue No.		404	
LM Start	16.26	Rating	C	issue ivo.		184	
LM End	16.26	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion / I	Bank Caving		37.9818	° 00	37.981800°	
item				-121.248545 °		-121.248545 °	
DWR ID	DWR_NA0	017_15_f _ 201	4_184				
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.	
		Inspecto	or Comm	nent			
Surface runoff.							

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	16.56	Rating **	М	Issue No.		93
LM End	16.56	Issue Type +	Ma	Location *		WS
Category	Floodwalls	GPS Latitude/Longitude				
Calegory				Start		End
Item	Monolith .	Joints		37.9837	'44° 37.983744	
пеш				-121.253211 °		-121.253211°
DWR ID	DWR_NA0	017_15_s _ 201	3_93			
		Comn	nent Cod	de		
		Inspecto	or Comm	nent		
The monolith joint material is deteriorating at this location of the flood wall.						



The monolith joint material is deteriorating at the waterside shoulder of the levee looking downstream.

LM Start	16.56	Rating **	М	Issue No.		158	
LM End	16.56	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category	Category					End	
Item	Slope Sta	bility		37.9837	'84 °	37.983784°	
item				-121.253304°		-121.253304°	
DWR ID	DWR_NA0	017_15_f _ 201	6_158				
		Comn	nent Cod	de			
S1 : Repai	r slope ins	tability.					
			_				
		Inspecto	or Comm	nent			
Runoff							

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	17.11	Rating **	М	Issue No.		210	
LM End	17.11	Issue Type +	Ma	Location *	WS		
Category	evee		GPS La	atitud	e/Longitude		
Calegory			Start		End		
Item	Encroachi	ments		37.9875	21°	37.987521 °	
item				-121.262115 °		-121.262115°	
DWR ID DWR_NA0017_15_f _ 2016_210							
		Comm	nent Cod	de			
DE : Debri	S						
			0	1			
		Inspecto	or Comm	ient			



View of debris on the waterside slope of the levee. Fall 2016

						1		
LM Start	17.47	Rating **	М	Issue No.		211		
LM End	17.47	Issue Type +	Ma	Location *	LS			
Category	evee	GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Encroachments			37.9899	76°	37.989976°		
iteiii			-121.267934°		-121.267934°			
DWR ID DWR_NA0017_15_f _ 2016_211								
		Comn	nent Cod	de				
DE : Debri	S							
Inspector Comment								



View of the debris on the landside of the levee.

LM Start	17.65	Rating **	М	Issue No.		212			
LM End	17.65	Issue Type +	Ma	Location *	LS				
Category Earthen Levee			GPS La	atitud	e/Longitude				
Odlogory				Start		End			
Item	Encroach	ments		37.9910	12°	37.991012°			
item				-121.270809 °		-121.270809°			
DWR ID	DWR ID DWR_NA0017_15_f _ 2016_212								
		Comn	nent Cod	de					
PR : Pruni	ngs								
			_						
		Inspecto	or Comm	nent					

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

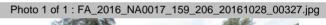
San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	17.76	Rating **	М	Issue No.		220	
LM End	17.76	Issue Type +	Ma	Location *	LS		
Category	evee	GPS La	atitud	e/Longitude			
Calegory				Start		End	
Item	Encroach	37.9919	16°	37.991916°			
пеш				-121.2724	87°	-121.272487°	
DWR ID DWR_NA0017_15_f _ 2016_220							
		Comn	nent Cod	de			
DE : Debr	is						
		Inspecto	or Comm	nent			

No Photos

LM Start	19.98	Rating **	М	Issue No.		206			
LM End	19.98	Issue Type +	Ma	Location *	LS				
Category	evee	GPS La	atitud	e/Longitude					
Calegory				Start		End			
Item	Encroach	ments	37.9936	39°	37.993639°				
пеш				-121.2859	25 °	-121.285925°			
DWR ID	DWR_NA0	017_15_s _ 201	6_206			·			
		Comn	nent Cod	de					
DE : Debri	S								
		Inspecto	or Comm	nent					





View of debris and prunnings on the landside of the levee.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	19.99	Rating **	N	Issue No.		103	
LM End	19.99	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.9935	78°	37.993578°	
пеш				-121.2861	65 °	-121.286165 °	
DWR ID	DWR_NA0	017_15_f _ 201	3_103				
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			

LM Start	20.82	Rating **	М	Issue No.		222		
LM End	20.82	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		37.9919	98°	37.991998°		
пеш				-121.3008	59°	-121.300859°		
DWR ID	DWR_NA0	017_15_f _ 201	6_222					
		Comn	nent Cod	de				
	ir the levee ere possib	slope damag le.	ed by ve	ehicle traffic	and	I prevent		
		Inspecto	or Comm	nent				



View of slope instability due to foot traffic on the landside of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	21.25	Rating **	M	Issue No.	172		
LM End	21.25	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		37.9889	69°	37.988969°	
пеш				-121.3070	09°	-121.307009°	
DWR ID	DWR ID DWR_NA0017_15_f _ 2015_172						
		Comn	nent Cod	de			
E2 : Scheo	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Runoff.							



Erosion was found on the landside of the levee looking downstream.

LM Start	21.26	Rating **	М	Issue No.		221		
LM End	21.26	Issue Type +	Ma	Location *		LS		
Category	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End		
Item	Slope Stability 37.988897 ° 37							
пеш		-121.307064 ° -121						
DWR ID DWR_NA0017_15_f _ 2016_221								
		Comn	nent Cod	de				
•	ir the levee ere possib	slope damag le.	jed by ve	ehicle traffic	and	d prevent		
		Inspecto	or Comm	nent				



View of the slope instability on the landside shoulder of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	21.96	Rating **	М	Issue No.		173	
LM End	21.96	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		37.9811	47°	37.981147°	
пеш				-121.315071 °		-121.315071 °	
DWR ID DWR_NA0017_15_s _ 2012_173							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Runoff.							

LM Start	21.96	Rating **	М	Issue No.	173 (cont)
LM End	21.96	Issue Type +	Ma	Location *	LS



Updated picture of erosion due to runoff on the landside slope of the levee during fall 2016 inspection.

Photo 2 of 2: FA_2016_NA0017_159_173_20160823_00128.jpg



View of the erosion caused by run off on the landside slope of the levee looking downstream during fall 2015 inspection.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	22.88	Rating **	М	Issue No.	185		
LM End	22.88	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		37.9812	78°	37.981278°	
пеш				-121.3305	66 °	-121.330566°	
DWR ID	DWR ID DWR_NA0017_15_f _ 2016_185						
		Comn	nent Cod	de			
E2 : Scheo	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Runoff							



View of an erosion due to runoff on the landside of the levee. Fall 2016

LM Start	23.10	Rating **	М	Issue No.		183		
LM End	23.10	Issue Type +	Ma	Location *		WS		
Catagoni	evee	GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Encroach	ments		37.9808	74°	37.980874°		
пеш				-121.3345	75°	-121.334575 °		
DWR ID	DWR ID DWR_NA0017_15_f _ 2016_183							
		Comn	nent Cod	de				
DE : Debri	S							
			•					
		Inspecto	or Comm	nent				

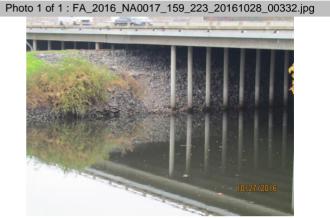
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	23.55	Rating **	A/W	Issue No.		223	
LM End	23.55	Issue Type +	Ma	Location *	WS		
Catagory	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory	Category					End	
Item	Riprap Revetments			37.979282°		37.979282 °	
iteiii				-121.341686 ° -121.34168			
DWR ID	DWR_NA0	017_15_f _ 201	6_223				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			

Wrong revetment size was placed by Caltrans in Fall 2012 under permit #18562. An NOV was issued to Caltrans. They repaired the left bank, but have not repaired the right bank of the levee. The LMA contacted Caltrans regarding this issue, but they have not complied with the request.



View of deteriorating revetments on the waterside toe of the levee. The picture was taken from the opposite side of the levee. Fall 2016

LM Start	23.84	Rating **	N	Issue No.		176	
LM End	23.84	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thi		37.9764	83°	37.976483°		
item				-121.345756° -121.3457			
DWR ID	DWR_NA0	017_15_s _ 201	2_176				
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
	Inspector Comment						

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	24.00	Rating **	Α	Issue No.		187
LM End	24.00	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Riprap Re	vetments		37.9748	58°	37.974858 °
item				-121.3477	'18 °	-121.347718 °
DWR ID DWR_NA0017_15_f _ 2012_187						
		Comn	nent Cod	de		
		Inspecto	or Comm	nent		

Photo 1 of 1: FA_2016_NA0017_159_187_20160823_00132.jpg



Revetment was placed by the LMA on the waterside slope of the levee looking downstream.

	24.05	D-4: **		Issue No.		400	
LM Start	24.65	Rating **	Α	issue ivo.		188	
LM End	24.65	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Riprap Revetments				95°	37.969095°	
item	-121.356301 ° -121.3					-121.356301 °	
DWR ID	DWR_NA0	017_15_f _ 201	2_188				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
						-	





Revetments were placed by the LMA on the waterside slope of the levee looking downstream.

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2016 10/27/2016	Pavel Kazi

LM Start	24.81	Rating **	A/W	Issue No.		189
LM End	24.81	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Riprap Re	vetments		37.9679	43°	37.967943°
пеш				-121.3587	'11 °	-121.358711 °
DWR ID	DWR_NA0	017_15_f _ 201	2_189			
		Comn	nent Cod	de		
		Inspecto	or Comn	nent		
		Пороск), OO,,,,,,	10111		



Revetments were placed by the LMA on the waterside slope of the levee looking downstream.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	0.00	Rating **	М	Issue No.		793	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Category	nannels &	GPS La	titud	le/Longitude			
Calegory	Designate	d Floodways		Start		End	
Item	Vegetatio	n & Obstruction	ons	38.0552	98°	38.055298°	
itein				-121.0004	60°	-121.000460 °	
DWR ID	DWR_NA0						
	Comment Code						

Inspector Comment

This is in a small section of the upper Calaveras River, above Escallon-Bellota Road. The county has a small section that we maintain above the weir. A large tree fell into the channel; the root ball was over 15 feet in diameter. We worked with Stockton East and their divers to remove most of the tree from the channel. Some of the tree remains in the channel because of it being too heavy (water-logged) to remove at this time. Crews plan to go back to remove it when the water goes down.

LM Start	0.11	Rating **	U	Issue No.		269	
LM End	0.47	Issue Type +	Ма	Location *		WS	
Category				GPS Latitude/Longitude			
Category						End	
Item	DWR Ero	sion Survey		38.0481	59°	38.048159	0
пеш				-121.0164	27°	-121.016427	0
DWR ID							

Inspector Comment

Comment Code

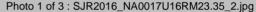
08/16/2016: The erosion site was found progressed with signs of bank slipping

08/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion.

08/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height.

09/12/2013: Site has been visited and signs of new erosion are visible. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM23.35]

No Photos





Close view of the erosion. Signs of new erosion along the site.

LS: Land Side WS: Water Side

N/A: Not Applicable

Acceptable Minimally Acceptable

U : Unacceptable

C : Corrected

N: Not Inspected/Rated

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	0.11	Rating **	U	Issue No.	Issue No. 269 (cor		
LM End	0.47	Issue Type +	Ма	Location *		WS	
Category	ental	GPS La	atitud	le/Longitude			
Calegory				Start		End	
Item	DWR Ero	sion Survey		38.0481	59°	38.048159°	
пеш				-121.0164	27°	-121.016427°	
DWR ID							
	Comment Code						

Inspector Comment

08/16/2016: The erosion site was found progressed with signs of bank slipping.

08/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion.

08/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height.

09/12/2013: Site has been visited and signs of new erosion are visible. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM23.35]

LM Start	0.11	Rating **	U	Issue No.	269 (cont)
LM End	0.47	Issue Type +	Ma	Location *	WS



Close view of the erosion.





Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	0.69	Rating **	N	Issue No.		216	
LM End	0.69	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thin Trees			38.045531 °		38.045531 °	
пеш				-121.022881 °		1 ° -121.022881 °	
DWR ID DWR_NA0017_16_s _ 2012_216							
Comment Code							
T5 : Tree stumps.							
Inspector Comment							

No Photos

LM Start	0.93	Rating **	U	Issue No.		267	
LM End	0.95	Issue Type +	Ма	Location *	WS		
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR Erosion Survey			38.0428	33°	38.042833°	
item				-121.025776 °		-121.025776°	
DWR ID							
Comment Code							

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field.

There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2016 Site ID:NA0017U16RM22.74]

Photo 1 of 2: SJR2016 NA0017U16RM22.74 1.jpg



View of the site from right river bank.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	0.93	Rating **	U	Issue No.		267 (cont)
LM End	0.95	Issue Type + Ma I		Location *		WS
Category				GPS Latitude/Longitude		
Calegory		Start		End		
Item	DWR Ero	sion Survey		38.0428	33°	38.042833 °
пеш				-121.0257	76°	-121.025776°
DWR ID						·

Inspector Comment

Comment Code

08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground

protecting the land behind. The levee crest width and levee height were not measured or estimated in the field.

There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2016 Site ID:NA0017U16RM22.74]



Close view of the erosion. Note the drainage pipe at the site.

LM Start	1.12	Rating **	U	Issue No.		266	
LM End	1.12	Issue Type +	Ма	Location * WS		WS	
Category				GPS Latitude/Longitude			
Category				Start		End	
Item	DWR Ero	sion Survey		38.0407	57°	38.040757°	
пеш				-121.0277	86°	-121.027786°	
DWR ID							

Comment Code

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee

height were not measured or estimated in the field. [2016 Site

ID:NA0017U16RM22.58]

Photo 1 of 2: SJR2016_NA0017U16RM22.58_1.jpg



Front view of the erosion. The erosion is next to a tree at the levee toe.

Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.12	Rating **	U	Issue No. 266 (cont)			
LM End	1.12	Issue Type +	Ma	Location *	WS		
Category	ental	GPS Latitude/Longitude					
Calegory	Category					End	
Item	DWR Ero	sion Survey		38.0407	57°	38.040757°	
пеш				-121.0277	86 °	-121.027786°	
DWR ID							
	Comment Code						

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.58]



Front view of the erosion and broken concrete protection on the levee slope.

LM Start	1.38	Rating **	С	Issue No.	232	
LM End	1.38	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category	Category			Start		End
Item	Encroachments			38.0396	18°	38.039618°
пеш				-121.032266 °		-121.032266 °
DWR ID	DWR_NA0	017_16_f _ 201	5_232			
		Comn	nent Coo	de		
PR : Prunings						
	Inspector Comment					

No Photos

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.67	Rating **	М	Issue No.		263	
LM End	1.67	Issue Type +	Ма	Location *	WS		
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	DWR Ero		38.0387	'51 °	38.038751 °		
item				-121.037347°		-121.037347°	
DWR ID							
		Comn	nent Cod	de			
Inspector Comment							
08/16/2010	6: No siani	ficant change	observe	ed.			

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.15]

LM Start	1.67	Rating **	М	Issue No.	263 (cont)
LM End	1.67	Issue Type +	Ma	Location *	WS



Front view of the erosion.

Photo 2 of 3: SJR2016_NA0017U16RM22.15_2.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.67	Rating **	М	Issue No.		263 (cont)	
LM End	1.67	Issue Type +	Ма	Location *		WS	
Category	ental	GPS Latitude/Longitude					
Calegory	Salegory					End	
Item	DWR Ero	sion Survey		38.0387	51 °	38.038751 °	
пеш				-121.0373	47°	-121.037347 °	
DWR ID							
	Comment Code						

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.15]



Close view of the erosion. Note the dense vegetation at the site.

Photo 1 of 3: SJR2016_NA0017U16RM21.95_1.jpg

LM Start	1.75	Rating **	М	Issue No.		258
LM End	1.76	Issue Type +	Ма	Location *		WS
Category				GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR Ero	sion Survey		38.0380	80°	38.038080°
item				-121.0386	76°	-121.038676°
DWR ID						

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.95]



Front view of the erosion site.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

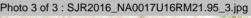
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.75	Rating **	М	Issue No.		258 (cont)			
LM End	1.76	Issue Type +	Ma	Location *		WS			
Category	Supplemental				atitud	e/Longitude			
Calegory				Start		End			
Item	DWR Ero	sion Survey		38.0380	080°	38.038080°			
пеш				-121.038676°		-121.038676°			
DWR ID									
Comment Code									
			_						
		Inspecto	or Comm	nent					
08/16/201	6: No signi	ficant change	observe	ed.					
08/12/201	5: No signi	ficant change	observe	ed.					
08/20/2014: No significant change observed.									
09/12/2013: No significant change observed.									
08/22/2012: The erosion is covered by dense vegetation. There is no									
levee structure on site. The levee crest width and levee height were not									
measured or estimated in the field. [2016 Site ID:NA0017U16RM21.95]									
	J. Johnna	5 to noid			· · · ·				

Photo 2 of 3 : SJR2016_N	A0017U16RM21.95_2.jpg
	* **
	/* * /k

Close view of the erosion.

LM Start 1.75 Rating ** M Issue No. 258 (cont) LM End 1.76 Issue Type + Ma Location * WS





Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.75	Rating **	U	Issue No.		261		
LM End	1.76	Issue Type +	Ma	Location *		WS		
Category	Supplemental				Supplemental GPS Latitude/Longitud			e/Longitude
Category				Start		End		
Itom	DWR Ero	sion Survey		38.0391	10°	38.039110°		
Item				-121.0378	40°	-121.037840 °		
DWR ID								

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.01]

LM Start	1.75	Rating **	U	Issue No.	261 (cont)
I M End	1.76	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016_NA0017U16RM22.01_1.jpg



Front view of the erosion site from the left river bank.

Photo 2 of 3: SJR2016_NA0017U16RM22.01_2.jpg



Front view of the pocket erosion covered by dense vegetation.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.75	Issue No.		261 (cont)			
LM End	1.76	Issue Type +	Ма	Location * WS		WS	
Category Supplemental				GPS Latitude/Longitude			
				Start		End	
Item	DWR Ero	sion Survey		38.039110°		38.039110°	
пеш				-121.037840 °		-121.037840°	
DWR ID							
Comment Code							

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM22.01]



Close view of the erosion.

LM Start	1.77	Rating **	М	Issue No.		109	
LM End	1.78	Issue Type +	Ма	Location *		WS	
Category Supplemental				GPS Latitude/Longitude			
Calegory			Start		End		
DWR Erosion Survey				38.0379	06°	38.037906°	
itein			-121.038949 °		-121.038949°		
DWR ID							

Comment Code

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed

09/12/2013: No significant change observed.

08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.94]

Photo 1 of 3: SJR2016_NA0017U16RM21.94_1.jpg



Looking at the erosion from right river bank.

Acceptable Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C : Corrected

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.77	Issue No.		109 (cont)			
LM End	1.78	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	atitud	le/Longitude	
Category				Start		End	
ltom	DWR Ero	sion Survey		38.0379	06°	38.037906°	
item	Item				49°	-121.038949 °	
DWR ID							
Comment Code							

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed 09/12/2013: No significant change observed.

08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.94]

LM Start	1.77	Rating **	М	Issue No.	109 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS



Front view of the erosion.

Photo 3 of 3: SJR2016_NA0017U16RM21.94_3.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.88	Rating **	М	Issue No.		106		
LM End	1.90	Issue Type +	Ma	Location *	WS			
Category	Suppleme	ental		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	DWR Eros	sion Survey		38.0365	649°	38.036549°		
пеш				-121.0403	802°	-121.040302 °		
DWR ID								
Comment Code								
		Inspecto	or Comm	nent				
08/16/2016	6: No signi	ficant change	observe	d.				
		ficant change						
		ficant change						
09/12/2013: No significant change observed.								
08/22/2012: Berm width is estimated as 5 ft. There is no levee structure								
on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.05]								

Ма

LM Start

LM End

1.88

1.90

Issue Type +

Rating **	М	Issue No.	106 (cont)							
2016 Site ID:NA0017U16RM21.05]										
t width and levee height were not measured or										
is estimated as 5 ft. There is no levee structure										

WS

Location '



Front view of the erosion

Photo 2 of 3: SJR2016_NA0017U16RM21.05_3.jpg



Front view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	1.88	Rating **	М	Issue No.		106 (cont)			
LM End	1.90	Issue Type +	Ма	Location *		WS			
Category			GPS La	atitud	le/Longitude				
Calegory				Start		End			
Item	DWR Eros	sion Survey		38.0365	49°	38.036549°			
item				-121.0403	02 °	-121.040302 °			
DWR ID									
		Comn	nent Cod	de					
			_						
		Inspecto	or Comm	nent					
08/16/2016: No significant change observed.									
08/12/2015: No significant change observed.									
08/20/2014: No significant change observed.									

Photo 3 of 3: SJR2016_NA0017U16RM21.05_4.jpg

Close view of the erosion.

09/12/2013: No significant change observed.
08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM21.05]

LM Start	1.91	Rating **	A/W	Issue No.	155					
LM End	1.91	Issue Type +	Ma	Location *	WS					
Category	evee	GPS La	atitud	le/Longitude						
Odlogory		Start		End						
Erosion / Bank Caving				38.036248°		38.036248	0			
item		-121.0404	08 °	-121.040408	٥					
DWR ID	DWR_NA0	017_16_f _ 201	3_155							
	Comment Code									
E2 : Schedule repair of erosion site prior to the next inspection.										
· · · · ·										

Inspector Comment

Photo 1 of 1 : FA_2016_NA0017_160_155_20160823_00116.jpg



Erosion was found on the waterside of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.30	Rating **	U	Issue No.		82		
LM End	2.31	Issue Type +	Ма	Location *	WS			
Category				GPS Latitude/Longitude				
Calegory			Start		End			
Item	DWR Ero	sion Survey		38.0322	02°	38.032202°		
пеш				-121.0452	26°	-121.045226°		
DWR ID						·		
	Comment Code							

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: No significant change has been observed.

09/12/2013: No significant change observed.

08/22/2012: The erosion was first reported in the 2012 spring levee inspection report. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM20.62]

LM Start	2.30	Rating **	U	Issue No.	82 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS

Photo 1 of 2: SJR2016_NA0017U16RM20.62_1.jpg



Front view of the site.

Photo 2 of 2: SJR2016_NA0017U16RM20.62_3.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

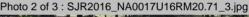
LM Start	2.30	Rating **	М	Issue No.		104			
LM End	2.31	Issue Type +	Ма	Location *	WS				
Category	Suppleme	ental		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	DWR Ero	sion Survey		38.0330	72°	38.033072 °			
Item				-121.0449	70°	-121.044970°			
DWR ID									
		Comn	nent Cod	de					
		Inspecto	or Comn	nent					
		ficant change							
		ficant change							
		ficant change							
09/12/2013: No significant change observed.									
08/22/2012: Site is covered with dense vegetation. There is no levee									
structure on site. The levee crest width and levee height were not									
measured or estimated in the field. [2016 Site ID:NA0017U16RM20.71]									



Photo 1 of 3: SJR2016_NA0017U16RM20.71_1.jpg

Front view of the site.

LM Start 2.30 Rating ** M Issue No. 104 (cont) LM End 2.31 Issue Type + Ma Location * WS





Closer view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.30	Rating **	М	Issue No.		104 (cont)		
LM End	2.31	Issue Type +	Ma	Location *	WS			
Category	Suppleme	ental		GPS La	atitud	le/Longitude		
Calegory			Start		End			
Item	DWR Erosion Survey			38.033072°		38.033072°		
пеш			-121.044970 °		-121.044970 °			
DWR ID								
		Comn	nent Cod	de				
	Inspector Comment							
08/16/2016: No significant change observed.								
08/12/2015	08/12/2015: No significant change observed.							

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM20.71]



Close view of the site

LM Start	2.35	Rating **	A/W	Issue No.		213			
LM End	2.35	Issue Type +	Ma	Location *	WS				
Category	evee	GPS Latitude/Longitude							
Category				Start		End			
Slope Stability			38.031763°		38.031763°				
пеш				-121.0458	08°	-121.045808°			
DWR ID	DWR_NA0	017_16_f _ 201	2_213						
Comment Code									

S1: Repair slope instability.

Inspector Comment



Updated picture of the slope instability on the waterside shoulder of the levee looking upstream.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.35	Rating **	A/W	Issue No.		213 (cont)		
LM End	2.35	Issue Type +	Ma	Location *		WS		
Category	evee	GPS La	atitud	e/Longitude				
Calegory				Start		End		
Item	bility	38.0317	63°	38.031763°				
item		-121.045808°		-121.045808 °				
DWR ID DWR_NA0017_16_f _ 2012_213								
		Comn	nent Cod	de				
S1 : Repai	ir slope ins	tability.						
		Inspecto	or Comm	nent				



Slope instability was found on the waterside of the levee looking upstream.

LM Start	2.36	Rating **	С	Issue No.		233	
LM End	2.36	Issue Type +	Ma	Location *		WS	
Category	evee	GPS La	atitud	le/Longitude			
Category				Start		End	
Item	Animal Control			38.031654°		38.031654°	
пеш				-121.0459	25°	-121.045925°	
DWR ID	DWR_NA0	017_16_f _ 201	5_233				
		Comn	nent Cod	le			
	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
		Inspecto	or Comm	ent			

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.38	Rating **	С	Issue No.		234		
LM End	2.38	Issue Type +	Ma	Location *		CR		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory			Start		End			
Item	Crown Surface / Depressions /			38.0313	61 °	38.031361 °		
item			-121.046214 °		° -121.046214°			
DWR ID	DWR_NA0	017_16_f _ 201	5_234					
		Comn	nent Coc	le				
C3 : Add a	ppropriate	gravel or roa	d base.	Grade and	com	pact.		
		Inspecto	or Comm	ent				

No Photos

LM Start	2.85	Rating **	U	Issue No.	80		_
LM End	2.91	Issue Type +	Ма	Location *	WS		
Category	Suppleme	ental		GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	DWR Ero	sion Survey		38.0266	70°	38.026670	0
item				-121.0530	31 °	-121.053031	0
DWR ID							Ī
		Cama	ant Car	ام			

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: Site Comprised of series of pocket and scarp erosions. Some of erosions are covered by grass or shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM20]

Photo 1 of 3: SJR2016_NA0017U16RM20_1.jpg



Front view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	2.85	Rating **	U	Issue No.		80 (cont)
LM End	2.91	Issue Type +	Ma	Location *	ocation * WS	
Category	GPS Latitude/Longitude					
Calegory			Start		End	
Itom	DWR Ero	sion Survey		38.0266	70°	38.026670 °
Item				-121.053031 ° -121.		-121.053031 °
DWR ID						·

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: Site Comprised of series of pocket and scarp erosions. Some of erosions are covered by grass or shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM20]

LM Start	2.85	Rating **	U	Issue No.	80 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS



Close view of the erosion.





Close view of the scarp erosion. Note the small tree at the erosion site.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM End			М	Issue No.		231	
	3.16	Issue Type +	Ma	Location *	CR		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachi	ments		38.0240	57°	38.024057°	
пеш				-121.056860 °		° -121.056860	
DWR ID DWR_NA0017_16_f _ 2016_231							
		Comn	nent Cod	de			
DE : Debris	S						
		Inspecto	or Comm	nent			



View of the debris on the crown of the levee. Fall 2016

LM Start	3.48	Rating **	A/W	Issue No.	152		
LM End	3.48	Issue Type +	Ma	Location *	WS		
Catagory	Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation			38.020965°		38.020965	0
item				-121.061215 °		-121.061215	0
DWR ID DWR_NA0017_16_f _ 2013_152							
Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Arundo was obstructing to inspect the channel from the patrol road.

Photo 1 of 1: FA_2016_NA0017_160_152_20160823_00115.jpg



Arundo was found on the waterside toe of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

	2.52	Rating **	A/W	Issue No.		222	
LM Start	3.53	Rating	A/VV	issue ivo.		230	
LM End	3.53	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End	
Item	Erosion /	38.020433°		38.020433 °			
пеш		-121.061867				-121.061867°	
DWR ID DWR_NA0017_16_f _ 2012_230							
		Comn	nent Cod	de			
E2 : Schedule repair of erosion site prior to the next inspection.							
Inspector Comment							
This portion of the levee is non-project. Therefore, an A/W rating was given.							

-		经 上次 15 公益
		The state of
一种等		The second
Total Control	10/4/2019	
1 1		
The state of the state of		11/19/2012
Sales		
是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	Secretaria de la companya del companya de la companya del companya de la companya del la companya de la company	CARL CONTRACTOR OF THE PARTY OF

Photo 1 of 2: FA_2016_NA0017_160_230_20160823_00138.jpg

Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	3.53	Rating **	A/W	Issue No.	230 (cont)
LM End	3.53	Issue Type +	Ma	Location *	WS

Photo 2 of 2: FA_2016_NA0017_160_230_20160823_00139.jpg



Erosion was found on the waterside slope of the levee looking upstream.

Photo 1 of 3: SJR2016_NA0017U16RM19.29_1.jpg

LM Start	3.61	Rating **	М	Issue No.		76		
LM End	3.61	Issue Type +	Ma	Location *		WS		
Category	Supplemental			GPS Latitude/Longitude				
Category				Start		End		
Item	DWR Eros	sion Survey		38.0196	642°	38.019642 °		
пеш				-121.0629)17°	-121.062917°		
DWR ID								
	Comment Code							
		Inspecto	or Comm	nent				
		ficant change						
08/12/2015: No significant change observed.								
08/20/2014: A pocket erosion was found near the water's edge. [2016								
Site ID:NA0017U16RM19.29]								



View of the site from right river bank.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

	Rating **	М	Issue No.	76 (cont)				
3.61	Issue Type +	Ма	Location *	WS				
Category Supplemental			GPS Latitude/Longitude					
			Start		End			
DWR Eros	sion Survey		38.0196	42°	38.019642°			
		-121.062917 ° -121.						
DWR ID								
Comment Code								
	Inspecto	or Comm	nent					
: No signi	ficant change	observe	ed.					
08/12/2015: No significant change observed.								
08/20/2014: A pocket erosion was found near the water's edge. [2016								
Site ID:NA0017U16RM19.29]								
	DWR Eros : No signit : No signit : No signit	Comn Inspector No significant change No significant change A pocket erosion was	Comment Coo Inspector Comme : No significant change observe : No significant change observe : No significant change observe : A pocket erosion was found no	Comment Code Inspector Comment No significant change observed. No significant change observed. A pocket erosion was found near the water	Start DWR Erosion Survey 38.019642 -121.062917 Comment Code Inspector Comment No significant change observed. No significant change observed. A pocket erosion was found near the water's of the comment of the co			

LM Start	3.61	Rating **	М	Issue No.	76 (cont)
LM End	3.61	Issue Type +	Ma	Location *	WS



Close view of the erosion.

Photo 3 of 3: SJR2016_NA0017U16RM19.29_4.jpg



Front view of the site.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	3.68	Rating **	С	Issue No.		75		
LM End	3.68	Issue Type + Ma		Location *		WS		
Supplemental Category				GPS Latitude/Longitude				
Category				Start		End		
Item	DWR Ero	DWR Erosion Survey			02°	38.018902°		
item				-121.063658 °		-121.063658°		
DWR ID								

Comment Code

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed. Slightly more vegetation is observed at the site.

08/20/2014: No significant change observed.

09/12/2013: This site has been repaired prior to this survey, but new erosion has developed immediately downstream of the site.

08/22/2012: Tow large-size pocket erosions. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM19.28]

LM Start	3.78	Rating **	М	Issue No.		70	
LM End	3.80	Issue Type +	Ма	Location *	n* WS		
Category	Supplemental				GPS Latitude/Longitude		
Category	Calegory					End	
Item	DWR Ero	sion Survey		38.0177	15°	38.017715°	
пеш					11 °	-121.065011°	
DWR ID							

Comment Code

Inspector Comment

08/16/2016: No significant change observed at the erosion. More vegetation observed at the site.

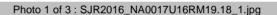
08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM19.18]

No Photos





View of the site from right river bank, upstream.

LS: Land Side N/A: Not Applicable

WS: Water Side

Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	3.78	Rating **	М	Issue No.		70 (cont)	
LM End	3.80	Issue Type +	Ma	Location *		WS	
Category				GPS Latitude/Longitude			
Calegory	egory					End	
Item	DWR Eros	sion Survey		38.0177	15°	38.017715°	
item				-121.0650	11 °	-121.065011 °	
DWR ID							
	Comment Code						

Inspector Comment

08/16/2016: No significant change observed at the erosion. More vegetation observed at the site.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM19.18]

LM Start	3.78	Rating **	М	Issue No.	70 (cont)	
LM End	3.80	Issue Type +	Ma	Location *	WS	



Front view of the erosion at the berm.

Photo 3 of 3: SJR2016_NA0017U16RM19.18_4.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.16	Rating **	U	Issue No.		66	
LM End	4.18	Issue Type +	Ma	Location *		WS	
Category			GPS Latitude/Longitude				
Category			Start		End		
Item	DWR Ero	sion Survey		38.0127	92°	38.012792°	
item				-121.0680	73 °	-121.068073°	
DWR ID						·	
	Comment Code						

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM18.69]

LM Start	4.16	Rating **	U	Issue No.	66 (cont)
LM End	4.18	Issue Type +	Ma	Location *	WS

Photo 1 of 3: SJR2016_NA0017U16RM18.69_1.jpg



View of the erosion site.

Photo 2 of 3: SJR2016_NA0017U16RM18.69_3.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.16	Rating **	U	Issue No.		66 (cont)	
LM End	4.18	Issue Type +	Ma	Location *		WS	
Category				GPS Latitude/Longitude			
Calegory	egory			Start		End	
Item	DWR Ero	sion Survey		38.0127	92°	38.012792°	
пеш				-121.0680	73 °	-121.068073°	
DWR ID						·	
	Comment Code						

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM18.69]



Close view of the erosion.

LM Start	4.20	Rating **	A/W	Issue No.		228
LM End	4.20	Issue Type +	Ma	Location *		WS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory				Start		End
Item	Slope Sta	bility		38.0122	88°	38.012288°
пеш				-121.0682	39°	-121.068239°
DWR ID	DWR_NA0	017_16_f _ 201	2_228			

S1: Repair slope instability.

Inspector Comment

Comment Code

This portion of the levee is non-project. Therefore, an A/W rating was given.

Photo 1 of 2 : FA_2016_NA0017_160_228_20160823_00136.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.20	Rating **	A/W	Issue No.		228 (cont)	
LM End	4.20	Issue Type +	Ма	Location *	WS		
Earthen Levee				GPS La	atitud	e/Longitude	
Category			Start		End		
Item	Slope Stability			38.0122	88°	38.012288 °	
item				-121.068239°		-121.068239°	
DWR ID DWR_NA0017_16_f _ 2012_228							
		Comn	nent Cod	de			
S1 : Repai	r slope ins	tability.					
		1	0	1			
		Inspecto	or Comm	nent			
This portion of the levee is non-project. Therefore, an A/W rating was given.							



Slope instability was found on the waterside shoulder of the levee looking downstream.

LM Start	4.27	Rating **	М	Issue No.		73		
LM End	4.27	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Erosion / Bank Caving				88°	38.011288 °		
item				-121.0685	79°	-121.068579°		
DWR ID DWR_NA0017_16_s _ 2013_73								
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion sit	e prior to	the next in	spec	ction.		
		Inspecto	or Comm	nent				
The erosion may cut into the access road if it is not repaired.								



Updated picture of the erosion on the waterside of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

	_							
LM Start	4.27	Rating **	M	Issue No.		73 (cont)		
LM End	4.27	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Calegory			Start		End			
Erosion / Bank Caving				38.0112	88°	38.011288 °		
пеш	item				79°	-121.068579°		
DWR ID DWR_NA0017_16_s _ 2013_73								
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	nent				
The erosion may cut into the access road if it is not repaired.								

Photo 2 of 3 : FA_2016_NA0017_160_73_20160823_00066.jpg
Onvierzona

Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

LM Start 4.27 Rating ** M Issue No. 73 (cont) LM End 4.27 Issue Type + Ma Location * WS

Photo 3 of 3: FA_2016_NA0017_160_73_20160823_00067.jpg



Erosion was found on the waterside shoulder of the levee looking upstream.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.38	Rating **	A/W	Issue No.		243		
LM End	4.38	Issue Type +	Ma	Location *	WS			
Earthen Levee			GPS La	atitud	e/Longitude			
Category				Start		End		
Item	Erosion / Bank Caving			38.0098	61°	38.009861 °		
item				-121.0690	21 °	-121.069021 °		
DWR ID DWR_NA0017_16_f _ 2016_243								
		Comn	nent Cod	le				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
Inspector Comment								
	The erosion may cut into the access road if it is not repaired.							
The erosic	n may cut	into the acces	ss road i	f it is not re	paire	ed.		



View of the erosion on the waterside slope of the levee. Fall 2016

4.85 Earthen L	Issue Type +	Ma	1 0 4				
Earthen Lo		IVIG	Location *		WS		
	Category Earthen Levee			GPS Latitude/Longitude			
			Start		End		
Erosion / Bank Caving			38.0036	73°	38.003673°		
			-121.0724	96°	-121.072496°		
DWR ID DWR_NA0017_16_s _ 2015_245							
	Comn	nent Cod	de				
nd monito	r erosion site						
	Inspecto	or Comm	nent				
Observe to make sure the erosion doesn't cut into the access road.							
1	OWR_NA00	DWR_NA0017_16_s _ 201 Commond monitor erosion site	OWR_NA0017_16_s _ 2015_245 Comment Coond monitor erosion site. Inspector Comm	Prosion / Bank Caving 38.0036 -121.0724 OWR_NA0017_16_s _ 2015_245 Comment Code and monitor erosion site. Inspector Comment	Erosion / Bank Caving 38.003673 ° -121.072496 ° DWR_NA0017_16_s _ 2015_245 Comment Code and monitor erosion site. Inspector Comment		



View of erosion on the waterside slope of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	4.86	Rating **	С	Issue No.		64	
LM End	4.86	Issue Type +	Ma	Location *	WS		
Category				GPS Latitude/Longitude			
Category			Start		End		
Item	DWR Ero	sion Survey		38.00362	24°	38.003624	0
пеш				-121.07258	35 °	-121.072585	0
DWR ID							

Comment Code

Inspector Comment

08/16/2016: This site was repaired recently. No sign of new erosion observed at the repaired site.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest.

08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to poor maintenance. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM17.99]

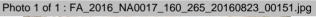
LM Start	5.20	Rating **	A/W	Issue No.		265		
LM End	5.20	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Slope Stability			37.999537°		37.999537°		
itein	item			-121.0761	33°	-121.076133°		
DWR ID	DWR_NA0	017_16_f _ 201	4_265					
Comment Code								

S1: Repair slope instability.

Inspector Comment

This portion of the levee is non-project. Therefore, an A/W rating was given.

No Photos





A slope instability was found on the waterside slope of the levee looking upstream.

LS: Land Side WS: Water Side

N/A: Not Applicable

Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type A/W : Acceptable but Monitor & Maintain

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.29	Rating **	N	Issue No.		226
LM End	5.29	Issue Type +	Ma	Location *		LS
Category	Earthen Levee GPS Latitude/Longi			e/Longitude		
Calegory				Start		End
Item	Trim / Thi	n Trees		37.9985	15°	37.998515°
пеш				-121.0771	04°	-121.077104°
DWR ID DWR_NA0017_16_f _ 2012_226						
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		

No Photos

LM Start	5.29	Rating **	N	Issue No.		195
LM End	5.29	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		37.9985	17°	37.998517°
пеш				-121.0771	16°	-121.077116°
DWR ID	DWR_NA0	017_16_s _ 201	2_195			
		Comn	nent Coc	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.33	Rating **	М	Issue No.		54
LM End	5.38	Issue Type +	Ma	Location *		WS
Category	Suppleme	ental		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	DWR Erosion Survey			37.9977	20°	37.997720°
пеш				-121.0778	07°	-121.077807°
DWR ID						·
	Comment Cod					

Inspector Comment 08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The site is located at the opposite river bank of E. Tobacco Road. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM17.81]

LM Start	5.33	Rating **	М	Issue No.	54 (cont)
LM End	5.38	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2016_NA0017U16RM17.81_1.jpg



Upstream view of the site from right river bank.

Photo 2 of 2: SJR2016_NA0017U16RM17.81_4.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.56	Rating **	U	Issue No.		47
LM End	5.58	Issue Type +	Ma	Location *		WS
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	DWR Ero	sion Survey		37.9952	16°	37.995216°
item				-121.0801	59°	-121.080159°
DWR ID						·

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM17.27]

LM Start	5.56	Rating **	U	Issue No.	47 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS

Photo 1 of 2: SJR2016_NA0017U16RM17.27_1.jpg

View of the erosion from right river bank.

Photo 2 of 2: SJR2016_NA0017U16RM17.27_3.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.71	Rating **	М	Issue No.		41	
LM End	5.72	Issue Type +	Ма	Location *		WS	
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR Eros	sion Survey		37.9935	25°	37.993525°	
пеш				-121.0816	79°	-121.081679°	
DWR ID							
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
08/16/2016: No significant change observed. 08/12/2015: No significant change observed.							
08/20/2014: The erosion is near a tree and probably has been made worse by the unstable bank slope. [2016 Site ID:NA0017U16RM17.11]							

LM Start	5.71	Rating **	М	Issue No.	41 (cont)	
LM End	5.72	Issue Type +	Ма	Location *	WS	



View of the site from right river bank.

Photo 2 of 3: SJR2016_NA0017U16RM17.11_3.jpg



Close view of the erosion.

LM Start	5.71	Rating **	М	Issue No.	41 (cont)
LM End	5.72	Issue Type +	Ма	Location *	WS



Close view of the erosion.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence U: Unacceptable U: Unacceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	5.87	Rating **	A/W	Issue No.		264		
LM End	5.87	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		37.9916	28°	37.991628°		
item		-121.083312 ° -121.083312						
DWR ID DWR_NA0017_16_f _ 2014_264						·		
		Comn	nent Cod	de				
S1 : Repai	r slope ins	tability.						
	Inspector Comment							
This portion of the levee is non-project. Therefore, an A/W rating was given.								



A slope instability was found on the waterside of the levee looking upstream.

LM Start	6.15	Issue No.		170			
LM End	6.15	Issue Type +	Ма	Location *	WS		
Category	Category Earthen Levee				atitud	le/Longitude	
Calegory		Start		End			
Item	Animal Co	ontrol		37.9883	85°	37.988385	0
item				-121.0862	92°	-121.086292	0
DWR ID	DWR_NA0	017_16_s _ 201					
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 2: FA_2016_NA0017_160_170_20160823_00122.jpg



Updated picture of the rodent holes on the waterside shoulder of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	6.15	Rating **	A/W	Issue No. 170 (cont			
LM End	6.15	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		37.9883	85°	37.988385°	
пеш				-121.0862	92°	-121.086292 °	
DWR ID	DWR_NA0017_16_s _ 2012_170						
		Comn	nent Cod	de			
A3 : No ro compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			



An animal hole was found on the waterside of the levee looking upstream.

LM Start	6.49	Rating **	U	Issue No.		40
LM End	6.68	Issue Type + Ma		Location *		WS
Category	Catagony Supplemental					le/Longitude
Calegory	egory					End
Item	DWR Ero	37.9832	79°	37.983279°		
item				-121.0908	43 °	-121.090843 °
DWR ID						

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: Site has been surveyed and the erosion has worsened since last year.

08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM16.27]

Photo 1 of 3: SJR2016_NA0017U16RM16.27_1.jpg



Upstream view of the site from right river bank.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	6.49	Rating **	U	Issue No.	40 (cont)	
LM End	6.68	Issue Type +	Ма	Location *	ws.	
Category	ental	GPS Latitude/Longitude				
Calegory		Start		End		
Item	DWR Eros	sion Survey		37.9832	79°	37.983279°
пеш				-121.0908	43 °	-121.090843°
DWR ID						
Comment Code						

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

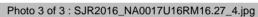
09/12/2013: Site has been surveyed and the erosion has worsened since last year.

08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM16.27]

LM Start	6.49	Rating **	U	Issue No.	40 (cont)
LM End	6.68	Issue Type +	Ma	Location *	WS



Front view of the erosion.





Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	6.70	Rating **	A/W	Issue No.	ue No. 120			
LM End	6.70	Issue Type +	Ма	Location *	n* WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		37.9822	99°	37.982299°		
пеш		-121.092665 ° -121.092665						
DWR ID	DWR_NA0	DWR_NA0017_16_s _ 2014_120						
		Comn	nent Cod	de				
S1 : Repa	ir slope ins	tability.						
		Inspecto	or Comm	nent				
This portion of the levee is non-project. Therefore, an A/W rating was given.								

LM Start	6.70	Rating **	A/W	Issue No.	120 (cont)
LM End	6.70	Issue Type +	Ma	Location *	WS



Updated picture of the slope instability on the waterside of the levee looking downstream.

Photo 2 of 2: FA_2016_NA0017_160_120_20160823_00098.jpg



Slope instability was found on the waterside of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.27	Rating **	U	Issue No.	39	
LM End	7.33	Issue Type +	Ма	Location *	WS	
Supplemental		GPS Latitude/Longitude				
Category				Start		End
DWR Erosion Survey		37.978194°		37.978194°		
пеш				-121.1016	96°	-121.101696°
DWR ID						
Comment Code						

Inspector Comment 08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile.

09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM15.57]

LM Start	7.27	Rating **	U	Issue No.	39 (cont)
LM End	7.33	Issue Type +	Ma	Location *	WS

Photo 1 of 3: SJR2016_NA0017U16RM15.57_1.jpg



View of the site from right river bank.

Photo 2 of 3: SJR2016_NA0017U16RM15.57_3.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.27	7.27 Rating ** U		Issue No.		39 (cont)	
LM End	7.33	Issue Type +	Ма	Location *		WS	
Supplemental			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	DWR Ero	sion Survey		37.9781	94°	37.978194°	
пеш				-121.1016	96°	-121.101696°	
DWR ID							
Comment Code							

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile.

09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM15.57]



Close view of the erosion.

LM Start	7.39	Rating **	М	Issue No.		246	
LM End	7.39	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion /	Bank Caving		37.9776	10°	37.977610°	
пеш					59°	-121.103159°	
DWR ID	DWR_NA0017_16_s _ 2015_246					·	

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Comment Code

Erosion may cut into the access road.

Photo 1 of 2: FA_2016_NA0017_160_246_20161031_00377.jpg



View of the erosion on the waterside shoulder of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.39	Rating **	М	Issue No.		246 (cont)
LM End	7.39	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion / I	Bank Caving		37.9776	10°	37.977610°
пеш				-121.1031	59°	-121.103159°
DWR ID DWR_NA0017_16_s _ 2015_246						
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.
Inspector Comment						
Erosion may cut into the access road.						



Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

LM Start	7.42	Rating **	М	Issue No.		237	
LM End	7.42	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion / I	37.9774	21°	37.977421 °			
item				-121.1035	07°	-121.103507°	
DWR ID DWR_NA0017_16_f _ 2015_237							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.	
Inspector Comment							
Erosion may cut into the access road.							



Updated picture of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.42	Rating **	М	Issue No.		237 (cont)	
LM End	7.42	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Calegory				Start		End	
Item	Erosion /		37.9774	21 °	37.977421°		
пеш				-121.103507°		-121.103507°	
DWR ID	DWR ID DWR_NA0017_16_f _ 2015_237						
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Erosion may cut into the access road.							



Erosion caused by runoff was found on the waterside shoulder of the levee.

LM Start	7.57	Rating **	A/W	Issue No.		218	
LM End	7.57	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Category	Category			Start		End	
Item	Animal Co	ontrol		37.9761	22°	37.976122°	
пеш				-121.1057	91 °	-121.105791°	
DWR ID	DWR ID DWR_NA0017_16_s _ 2012_218						
Comment Code							
Δ3 · No ro	dente vieih	le hut rodent	hurrows	visible: nee	ad to	hackfill and	

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

The beaver den might deteriorate the patrol road in future if it is repaired.

Photo 1 of 1: FA_2016_NA0017_160_218_20160823_00135.jpg



A possible beaver den was found on waterside slope of the levee. The picture was taken from the opposite bank of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	7.84	Rating **	М	Issue No.		275
LM End	7.84	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion / I	Bank Caving		37.9736	20°	37.973620°
пеш				-121.109680°		-121.109680 °
DWR ID DWR_NA0017_16_s _ 2016_275						
		Comn	nent Cod	de		
E2 : Scheo	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inspecto	or Comm	nent		
Erosion may cut into the access road.						

A Control of the Cont	
h	WALL TO A
and .	10/25/2015
4	Number 1

Photo 1 of 2: FA_2016_NA0017_160_275_20161031_00378.jpg

View of the erosion caused by rodent holes on the waterside shoulder of the levee looking upstream. Fall 2016

 LM Start
 7.84
 Rating **
 M
 Issue No.
 275 (cont)

 LM End
 7.84
 Issue Type +
 Ma
 Location *
 WS

Photo 2 of 2: FA_2016_NA0017_160_275_20160823_00154.jpg



View of a rodent hole on the waterside shoulder of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	8.34	Rating **	М	Issue No.		38		
LM End	8.38	Issue Type +	Ма	Location *		WS		
Category				GPS Latitude/Longitude				
Calegory	Start					End		
Item	DWR Ero	sion Survey		37.9692	13°	37.969213 °		
пеш				-121.1165	74°	-121.116574°		
DWR ID	OWR ID							
	Comment Code							

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM14.48]

LM Start	8.34	Rating **	М	Issue No.	38 (cont)
LM End	8.38	Issue Type +	Ma	Location *	WS



View of the site from right river bank.

Photo 2 of 3: SJR2016_NA0017U16RM14.48_2.jpg



Front view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	8.34	8.34 Rating ** M			Issue No. 38		
LM End	8.38	Issue Type +	Ма	Location * WS		WS	
Category Supplemental				GPS La	atitud	e/Longitude	
Calegory	gory					End	
Item	DWR Ero	sion Survey		37.9692	13°	37.969213°	
item				-121.1165	74 °	-121.116574°	
DWR ID							
	Comment Code						

Inspector Comment 08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM14.48]



Close view of the erosion.

LM Start	8.60	Rating **	A/W	Issue No.		128	
LM End	8.60	Issue Type + Ma		Location *		WS	
Category	Earthen L	GPS Latitude/Longitude					
Category				Start		End	
Item	Slope Sta	bility		37.9681	57°	37.968157°	
пеш				-121.1206	20°	-121.120620°	
DWR ID	DWR ID DWR_NA0017_16_s _ 2013_128						

S1: Repair slope instability.

Inspector Comment

Comment Code

This portion of the levee is non-project. Therefore, an A/W rating was given.

Photo 1 of 2: FA_2016_NA0017_160_128_20160823_00103.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

N : Not Inspected/Rated C : Corrected

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	8.60	Rating **	A/W	Issue No.		128 (cont)	
LM End	8.60	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		37.9681	57°	37.968157	
item				-121.120620 °		-121.120620	
DWR ID DWR_NA0017_16_s _ 2013_128							
		Comn	nent Cod	de			
S1 : Repai	r slope ins	tability.					
			_				
		Inspecto	or Comm	nent			
This portion of the levee is non-project. Therefore, an A/W rating was given.							



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	8.68	Rating **	М	Issue No.		248	
LM End	8.68	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion / I	Bank Caving		37.9681	69°	37.968169°	
Rem				-121.1220)47 °	-121.122047°	
DWR ID	WR ID DWR_NA0017_16_s _ 2015_248						
		Comn	nent Cod	de			
E1: Note a	and monito	r erosion site					
			_				
		Inspecto	or Comm	nent			
Erosion may cut into the access road.							

Photo 1 of 1: FA_2016_NA0017_160_248_20160823_00147.jpg



Erosion was found on the waterside looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.00	9.00 Rating ** M				37	
LM End	9.00	Issue Type +	Ма	Location *		WS	
Supplemental				GPS La	atitud	e/Longitude	
Category		Start		End			
Item	DWR Ero	sion Survey		37.9666	15°	37.966615°	
пеш				-121.1273	28°	-121.127328°	
DWR ID							
	Comment Code						

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.86]

LM Start	9.00	Rating **	М	Issue No.	37 (cont)
LM End	9.00	Issue Type +	Ma	Location *	WS



Front view of the erosion.

Photo 2 of 3: SJR2016_NA0017U16RM13.86_2.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.00	Rating **	М	Issue No.		37 (cont)	
LM End	9.00	Issue Type +	e Type + Ma Location *		Location * W		
Supplemental			GPS La	titud	e/Longitude		
Category				Start		End	
ltom	DWR Ero	sion Survey		37.96661	5°	37.966615 °	
пеш	Item				28°	-121.127328°	
DWR ID							
Comment Code							

Inspector Comment

08/16/2016: No significant change observed.

08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.86]



Close view of the erosion.

LM Start	9.03	Rating **	U	Issue No.		36
LM End	9.03	Issue Type +	Ма	Location *		WS
Category	Suppleme	ental	GPS Latitude/Longitude			
Calegory	Category					End
Item	DWR Erosion Survey				61 °	37.966661 °
пеш				-121.1278	64 °	-121.127864°
DWR ID						

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.85]

Photo 1 of 2: SJR2016_NA0017U16RM13.85_1.jpg



View of the site from right river bank.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.03	Rating **	U	Issue No.		36 (cont)		
LM End	9.03	Issue Type +	Ma	Location *		WS		
Supplemental			GPS La	atituc	de/Longitude			
Category				Start		End		
ltom	DWR Ero	sion Survey		37.9666	61 °	37.966661 °		
Item				-121.1278	64 °	-121.127864°		
DWR ID								
Comment Code								

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed.

09/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.85]



Close view of the erosion.

LM Start	9.11	Rating **	М	Issue No.		18	
LM End	9.13	Issue Type +	Ма	Location *		WS	
Category				GPS Latitude/Longitude			
Calegory		Start		End			
Itom	DWR Ero	37.9669	22 °	37.966922°			
пеш	Item				33 °	-121.129533°	
DWR ID							

Comment Code

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.72]



Upstream view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.11	Rating **	М	Issue No.		18 (cont)	
LM End	9.13	Issue Type +	Ма	Location *	ws		
Cotogony	Suppleme	ental		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	DWR Ero	sion Survey		37.9669)22°	37.966922°	
пеш				-121.1295	33°	-121.129533°	
DWR ID							
Comment Code							
		Inspecto	or Comn	nent			
08/16/2010	6: No signi	ficant change	observe	ed.			
		ficant change					
08/20/2014: No significant change observed. 09/12/2013: No significant change observed.							
08/22/2012: The erosion is covered with dense vegetation. There is no							
levee structure on site. The levee crest width and levee height were not							
measured or estimated in the field. [2016 Site ID:NA0017U16RM13.72]							
measured or estimated in the field. [2016 Site ID.NA00170 fokin13.72]							

Photo 2 of 3 : SJ	R2016_NA0017U1	6RM13.72_3.jpg
	The state of the s	
The same of		
A STATE OF THE STA	The Land Labour	W. Daniel
14.19(3)		
		m/s. 1.22/11
14/11/15	Carlos Andrews	A PARTY
	Arr. T	ton s-A

Close view of the erosion.

Rating ** 9.11 Issue No. 18 (cont) LM Start Issue Type + Location * WS 9.13 Ма LM End





Front view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.31	Rating **	М	Issue No.		14
LM End	9.33	33 Issue Type + Ma		Location *		WS
Supplemental			GPS Latitude/Longitude			
Category			Start		End	
Item	DWR Erosion Survey			37.9667	72°	37.966772°
item				-121.1330	71 °	-121.133071 °
DWR ID						
Comment Code						

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: The erosion is on berm. The berm width is estimated. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.53]

LM	Start	9.31	Rating **	М	Issue No.	14 (cont)
LM	l End	9.33	Issue Type +	Ma	Location *	WS



Upstream view of the erosion.

Photo 2 of 3: SJR2016_NA0017U16RM13.53_3.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	art 9.31 Rating ** M Issue No. 14 (cont)								
LM End	9.33	Issue Type +	Ma	Location *		WS			
Category	Suppleme	ental		GPS La	atitud	le/Longitude			
Calegory				Start		End			
DWR Erosion Survey 37.966772 ° 37.966772									
-121.133071 ° -121.133071 °									
DWR ID									
	Comment Code								

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed.

08/20/2014: No significant change observed.

09/12/2013: No significant change observed.

08/22/2012: The erosion is on berm. The berm width is estimated. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM13.53]



Close view of the erosion.

LM Start	9.33	Rating **	A/W	Issue No.		304
LM End	9.33	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Animal Co	ontrol		37.9667	39°	37.966739°
item				-121.1332	54°	-121.133254°
DWR ID	DWR_NA0	017_16_s _ 201	6_304			

Comment Code A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1: FA_2016_NA0017_160_304_20160823_00165.jpg



View of a rodent hole possible made by a coyote on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	9.48	Rating **	A/W	Issue No.		28
LM End	9.48	Issue Type +	Ма	Location *		WS
Cotogony	atitud	le/Longitude				
Category				Start		End
Item	Erosion /	Bank Caving		37.9662	39°	37.966239°
пеш				-121.1361	72 °	-121.136172°
DWR ID	DWR_NA0	017_16_f _ 201	3_28			
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
			•			
		Inspecto	or Comm	nent		
Erosion wa	as found o	n the watersid	e toe of	the levee.		



View of the erosion on the waterside toe of the levee looking from the opposite side of the levee.

Photo 1 of 3: SJR2016_NA0017U16RM12.95_1.jpg

LM Start	9.86	Rating **	M	Issue No.		10			
LM End	9.88	Issue Type +	Ma	Location *		WS			
Category	Suppleme	ental		GPS La	titud	e/Longitude			
Category				Start		End			
Item DWR Erosion Survey 37.964735° 37.964735°									
-121.142503° -121.142503									
DWR ID									
Comment Code									

Inspector Comment

08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed.

08/22/2012: Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM12.95]



Upstream view of the site from right river bank.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start 9.86 Rating ** M Issue No. 10 (cont)									
LM End 9.88 Issue Type + Ma Location * WS									
Supplemental GPS Latitude/Longitude									
Category Start End									
DWR Erosion Survey 37.964735 ° 37.964735									
-121.142503 ° -121.142503									
DWR ID									
Comment Code									
Inspector Comment									
08/16/2016: No significant change observed.									
08/12/2015: No significant change observed.									
08/20/2014: No significant change observed.									
09/12/2013: No significant change observed.									

08/22/2012: Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2016 Site ID:NA0017U16RM12.95]





Close view of the erosion.

Photo 3 of 3: SJR2016_NA0017U16RM12.95_4.jpg



Front view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

DWR ID DWR_NA0017_16_s _ 2016_283 Comment Code C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comment	LM Start	10.75	Rating **	М	Issue No.		283
Category Start End	LM End	10.87	Issue Type +	Ma	Location *		CR
Item Crown Surface / Depressions / 37.962547 ° 37.9614 Rutting -121.158101 ° -121.1598 DWR ID DWR_NA0017_16_s _ 2016_283 Comment Code C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comment	Catagory	Earthen L	evee		GPS La	atitud	e/Longitude
DWR ID DWR_NA0017_16_s _ 2016_283 Comment Code C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comment	Calegory				Start		End
DWR ID DWR_NA0017_16_s _ 2016_283 Comment Code C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comment	Itom		rface / Depres	ssions /	37.9625	47°	37.961495
Comment Code C3 : Add appropriate gravel or road base. Grade and compact.	item	Rutting			-121.1581	01°	-121.159824
C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comment	DWR ID	DWR_NA0	017_16_s _ 201	6_283			
Inspector Comment			Comn	nent Coo	le		
·	C3 : Add a	ppropriate	gravel or roa	d base.	Grade and	com	pact.
Farmer took away the levee access road.			Inspecto	or Comm	ent		
	Farmer too	k away th	e levee acces	s road.			



Farmer removed the levee patrol road. The picture was taken from the crown looking downstream.

	40.70	Dating **		Issue No.		400
LM Start	10.79	Rating **	М	issue ivo.		139
LM End	10.79	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS L	atitud	e/Longitude
Catogory				Start		End
Item	Erosion / I	Bank Caving		37.9621	82°	37.962182°
item				-121.1586	84°	-121.158684°
DWR ID	DWR_NA0	017_16_s _ 201	3_139			
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.
		Inspecto	or Comm	nent		



Updated picture of the erosion on the waterside shoulder of the levee looking downstream.

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	10.79	Rating **	М	Issue No.		139 (cont)		
LM End	10.79	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		37.9621	82°	37.962182°		
пеш		-121.158684 ° -121.158684						
DWR ID DWR_NA0017_16_s _ 2013_139								
		Comn	nent Cod	le				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		
		1	0	1				
		Inspecto	or Comm	ent				



Erosion was found on the waterside of the levee looking downstream.

LM Start	11.57	Rating **	М	Issue No.		50
LM End	11.57	Issue Type +	Ma	Location *		LS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory						End
Item	Animal Co	nimal Control			63°	37.960763°
пеш				-121.1721	22 °	-121.172122 °
DWR ID	DWR_NA0	017_16_f _ 201	6_50			
		Comn	nent Cod	de		
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						

Inspector Comment



View of rodent holes on the landside of the levee. Fall 2016

LM Start	12.06	Rating **	С	Issue No.		286
LM End	12.06	Issue Type +	Ma	Location *		LS
Category	Earthen L	.evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Animal Co	ontrol		37.9612	83°	37.961283°
пеш				-121.1809	07°	-121.180907°
DWR ID	DWR_NA0	017_16_s _ 201	6_286			

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	12.32	Rating **	М	Issue No.		126		
LM End	12.32	Issue Type +	Ма	Location *	tion * LS			
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Animal Co	ontrol		37.9604	27°	37.960427°		
пеш			-121.1855	60°	-121.185560°			
DWR ID DWR_NA0017_16_s _ 2016_126								
		Comn	nent Cod	de				
A3 : No roo compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				



View of a rodent hole on the landside of the levee.

LM Start	12.62	Rating **	М	Issue No.		147	
LM End	12.84	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Category		Start		End			
Item	Vegetatio		37.9602	° 800	37.959490°		
item				-121.191018°		-121.194913°	
DWR ID	DWR_NA0	017_16_f _ 201	6_147				
		Comn	nent Cod	le			
V1 : Control annual grass and weeds on the levee slopes and easements.							
	Inspector Comment						

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	12.62	Rating **	М	Issue No.		247		
LM End	12.84	Issue Type +	Ma	Location *	WS			
Cotogony	evee	GPS La	atitud	e/Longitude				
Category			Start		End			
Item	Vegetatio	n		37.9602	06°	37.959490°		
пеш				-121.1910	18°	-121.194913°		
DWR ID	DWR ID DWR_NA0017_16_f _ 2016_247							
		Comn	nent Cod	de				
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slop	oes :	and		
easements	S.							
		Inspecto	or Comm	nent				

No Photos

LM Start	12.87	Rating **	С	Issue No.		244	
LM End	12.87	Issue Type +	Ma	Location *	LS		
Category	Earthen L	Earthen Levee			GPS Latitude/Longitude		
Calegory				Start		End	
Item	Animal Co	ontrol		37.95969	94°	37.959694	0
пеш				-121.1953	81 °	-121.195381	0
DWR ID	DWR_NA0	017_16_s _ 201	6_244				
		Comp	ant Car	lo.			

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

LM Start	14.25	Rating **	М	Issue No.		249	
LM End	14.25	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Category			Start		End		
Item	Erosion /	Bank Caving		37.9670	46°	37.967046°	
пеш				-121.217319°		-121.217319°	
DWR ID	DWR_NA0	017_16_f _ 201	5_249				
		Comn	nent Coo	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	ent			
		Порсок	0011111	ioni			
Runoff							

A : Acceptable M : Minimally Acceptable

U : Unacceptable



+ Issue Type
N: Not Inspected/Rated Ma: Maintenance Deficiancy

En: Enforcement

Ob : Design & System Obsolescence

N/A: Not Applicable

* Location

LS: Land Side

WS: Water Side

C : Corrected

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	14.48	Rating **	С	Issue No.		260
LM End	14.48	Issue Type +	Ма	Location *		LS
Category	Earthen L	.evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Animal Co	ontrol		37.9688	00°	37.968800°
пеш	item				'55 °	-121.220755°
DWR ID DWR_NA0017_16_f _ 2014_260						
		Comn	nent Cod	de		
	dents visib or grout bui	le, but rodent rows.	burrows	visible; ne	ed to	backfill and
		Inspect	or Comm	nent		

No Photos

LM Start	14.59	Rating **	М	Issue No.		259			
LM End	14.59	Issue Type +	Ма	Location *		LS			
Category Earthen Levee			GPS Latitude/Longitude						
Calegory			Start		End				
Animal Control				37.969732°		37.969732°			
item			-121.222552 °		-121.222552 °				
DWR ID	DWR ID DWR_NA0017_16_f _ 2014_259								
Comment Code									
Δ3 · No ro	dente vieih	le hut rodent	hurrowe	visible: nee	d to	hackfill and			

No Photos

A3 : No rodents visible, but rodent burrows visible; need to backfill compact or grout burrows.

Inspector Comment

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	14.61	Rating **	С	Issue No.		273		
LM End	14.61	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Animal Co	ontrol		37.9699	13°	37.969913°		
пеш	item				70°	-121.222870°		
DWR ID	DWR ID DWR_NA0017_16_s _ 2015_273							
		Comn	nent Cod	de				
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and		
		Inspecto	or Comm	nent				

No Photos

LM Start	16.12	Rating **	М	Issue No.		71	
LM End	16.12	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		37.9802	50°	37.980250	0
пеш				-121.247141 °		-121.247141	0
DWR ID	DWR_NA0	017_16_s _ 201	4_71				
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	16.43	Rating **	М	Issue No.		150		
LM End	16.43	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		37.9823	18°	37.982318 °		
пеш	item			-121.252095 °		95° -121.252095°		
DWR ID	DWR ID DWR_NA0017_16_s _ 2013_150							
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	nent				
Runoff								

g

Updated picture of the erosion on the landside shoulder of the levee looking upstream during spring 2015 inspection.

 LM Start
 16.43
 Rating **
 M
 Issue No.
 150 (cont)

 LM End
 16.43
 Issue Type +
 Ma
 Location *
 LS

Photo 2 of 2: FA_2016_NA0017_160_150_20160823_00114.jpg



Erosion was found on the landside of the levee looking downstream.

LM Start	16.70	Rating **	С	Issue No.		291		
LM End	16.70	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroachi	ments		37.9842	06°	37.984206°		
пеш			-121.256440 °		-121.256440 °			
DWR ID	DWR ID DWR_NA0017_16_s _ 2016_291							
		Comn	nent Cod	de				
DE : Debri	s							
			_					
		Inspecto	or Comm	nent				

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	16.78	Rating **	С	Issue No.		292
LM End	16.78	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		37.9847	54°	37.984754°
пеш	item				07°	-121.257707°
DWR ID DWR_NA0017_16_s _ 2016_292						
		Comn	nent Cod	de		
DE : Debr	is					
		Inspecto	or Comm	nent		

No Photos

LM Start	16.88	Rating **	М	Issue No.		252		
LM End	16.88	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroachi	37.9854	26°	37.985426 °				
item				-121.2593	82°	-121.259382 °		
DWR ID	DWR_NA0	017_16_f _ 201	6_252					
		Comn	nent Cod	de				
DE : Debri	s							
		Inspecto	or Comm	nent				

Photo 1 of 1 : FA_2016_NA0017_160_252_20161031_00381.jpg



View of debris on the waterside of the levee. Fall 2016

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	17.14	Rating **	М	Issue No.		253	
LM End	17.14	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		37.9871	90°	37.987190°	
item				-121.263456 °		-121.263456 °	
DWR ID	DWR_NA0	017_16_f _ 201	6_253				
		Comn	nent Cod	de			
DE : Debri	S						
		Inspecto	or Comm	nent			

No Photos

LM Start	17.14	Rating **	М	Issue No.		293
LM End	17.14	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Erosion /	Bank Caving		37.9872	10°	37.987210°
пеш			-121.263501 °			
DWR ID	DWR_NA0	017_16_s _ 201	6_293			
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inspecto	or Comm	nent		
Runoff						



View of an erosion on the landside slope of the levee.

LM Start	18.39	Rating **	С	Issue No.		294	
LM End	18.39	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		37.9928	62°	37.992862	
пеш				-121.2840	02°	-121.284002	
DWR ID	DWR_NA0	017_16_s _ 201	6_294				
		Comn	nent Coo	de			
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			
1							

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

-							
LM Start	18.94	Rating **	N	Issue No.		295	
LM End	18.94	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.9919	37°	37.991937°	
пеш				-121.293932 °		32° -121.293932°	
DWR ID	DWR_NA0	017_16_s _ 201	6_295				
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			

No Photos

LM Start	18.99	Rating **	С	Issue No.		296	
LM End	18.99	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee				atitud	le/Longitude	
Calegory				Start		End	
Item	Animal Co		37.9917	88°	37.991788	0	
пеш				-121.2947	18°	-121.294718	0
DWR ID	DWR_NA0	017_16_s _ 201	6_296				
		Comn	nent Cod	le			
A3 : No roo		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	

No Photos

Inspector Comment

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	19.04	Rating **	N	Issue No.		65	
LM End	19.04	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.9916	17°	37.991617 °	
iteiii				-121.2956	28°	-121.295628°	
DWR ID	DWR_NA0	017_16_s _ 201	2_65				
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			



A tree stump was found on the landside of the levee looking upstream.

LM Start	19.88	Rating **	М	Issue No.		254	
LM End	19.88	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Animal Co		37.9860)25°	37.986025°		
item				-121.307306 °		06° -121.307306°	
DWR ID	DWR_NA0	017_16_f _ 201	6_254				
		Comn	nent Cod	de			
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			



View of a rodent hole on the landside of the levee. Fall 2016

LM Start	20.79	Rating **	N	Issue No.		95	
LM End	20.79	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		37.9797	'39°	37.979739°	
пеш				-121.319993 °		93° -121.319993°	
DWR ID	DWR_NA0	017_16_s _ 201	2_95				
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

20.82	Rating **	М	Issue No.		255		
20.82	Issue Type +	Ма	Location *		LS		
Earthen L	evee		GPS La	atitud	e/Longitude		
			Start		End		
Encroachi	ments		37.9800	36°	37.980036°		
			-121.320325 °		-121.320325°		
DWR ID DWR_NA0017_16_f _ 2016_255							
	Comn	nent Cod	de				
S							
	Inspecto	or Comm	nent				
	20.82 Earthen L Encroachi DWR_NA0	20.82 Issue Type + Earthen Levee Encroachments DWR_NA0017_16_f _ 2010 Comm	20.82 Issue Type + Ma Earthen Levee Encroachments DWR_NA0017_16_f _ 2016_255 Comment Cocs	20.82 Issue Type + Ma Location * Earthen Levee GPS L Start Encroachments 37.9800 -121.3203 DWR_NA0017_16_f _ 2016_255 Comment Code	20.82 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Encroachments 37.980036 ° -121.320325 ° DWR_NA0017_16_f _ 2016_255 Comment Code		



View of debris on the landside shoulder of the levee. Fall 2016

LM Start	20.83	Rating **	N	Issue No.		84	
LM End	20.83	Issue Type +	Ma	Location *		LS	
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		37.9800	85°	37.980085°	
пеш				-121.3204	48 °	-121.320448 °	
DWR ID DWR_NA0017_16_s _ 2012_84							
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
			_				
		Inspecto	or Comm	nent			

No Photos

+ Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	20.97	Rating **	М	Issue No.		197		
LM End	20.97	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		37.9805	69°	37.980569°		
пеш				-121.3229	985°	-121.322985 °		
DWR ID	DWR_NA0	017_16_s _ 201	3_197					
		Comn	nent Cod	de				
E2 : Schedule repair of erosion site prior to the next inspection.								
		Inspecto	or Comm	nent				

Photo 1 of 2: FA_2016_NA0017_160_197_20160823_00130.jpg	
" IND. TO SEE SEE	
The State of the S	
05/06/2014	
· · · · · · · · · · · · · · · · · · ·	

Updated picture of the erosion on the waterside of the levee looking upstream during spring 2014 inspection.

 LM Start
 20.97
 Rating **
 M
 Issue No.
 197 (cont)

 LM End
 20.97
 Issue Type +
 Ma
 Location *
 WS

Photo 2 of 2 : FA_2016_NA0017_160_197_20160823_00131.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	21.07	Rating **	С	Issue No.		279			
LM End	21.07	Issue Type +	Ма	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Category				Start		End			
Item	Encroachi	ments		37.9808	66°	37.980866 °			
пеш				-121.3246	82°	-121.324682 °			
DWR ID	DWR ID DWR_NA0017_16_s _ 2015_279								
		Comn	nent Cod	de					
DE : Debri	s								
		Inspecto	or Comm	nent					

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

24.00	Pating **	1.4	Issue No		257			
					257			
21.09	Issue Type +	Ma	Location *		CR			
Earthen L	evee		GPS La	atitud	le/Longitude			
			Start		End			
Encroachi	ments		37.9809	08°	37.980908°			
			-121.3251	30°	-121.325130°			
DWR ID DWR_NA0017_16_f _ 2016_257								
Comment Code								
S								
	Inspecto	or Comm	nent					
	Encroachi	21.09 Issue Type + Earthen Levee Encroachments DWR_NA0017_16_f _ 201 Comm	21.09 Issue Type + Ma Earthen Levee Encroachments DWR_NA0017_16_f_2016_257 Comment Coc	21.09 Issue Type + Ma Location * Earthen Levee GPS La Start Encroachments 37.9809 -121.3251 DWR_NA0017_16_f _ 2016_257 Comment Code	21.09 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Encroachments 37.980908 ° -121.325130 ° DWR_NA0017_16_f _ 2016_257 Comment Code			



View of debris on the crown of the levee. Fall 2016

LM Start	21.18	Rating **	С	Issue No.		27	
LM End	21.18	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachi	ments		37.9812	35°	37.981235°	
пеш				-121.3266	04°	-121.326604°	
DWR ID DWR_NA0017_16_f _ 2015_27							
		Comn	nent Cod	de			
DE : Debri	S						
		Inspecto	or Comm	nent			

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	21.31	Rating **	М	Issue No.		74			
LM End	21.31	Issue Type +	Ma	Location *	WS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Erosion /	Bank Caving		37.9807	73°	37.980773°			
item				-121.328866 °		-121.328866°			
DWR ID DWR_NA0017_16_f _ 2013_74									
		Comn	nent Cod	de					
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.			
		Inspecto	or Comm	nent					
Runoff									



Erosion due to runoff was found on the waterside of the levee looking upstream.

Rating **	М	Issue No.		68				
Issue Type +	Ма	Location *	WS					
Levee		GPS La	atitud	e/Longitude				
		Start		End				
Item Erosion / Bank Caving				37.979674°				
	-121.3352	28°	-121.335228°					
DWR ID DWR_NA0017_16_f _ 2012_68								
Comr	nent Cod	de						
ir of erosion sit	e prior to	the next in	spec	ction.				
	_							
Inspect	or Comn	nent						
_	Issue Type + Levee / Bank Caving A0017_16_f _ 201 Comrair of erosion sit	Issue Type + Ma I Levee / Bank Caving A0017_16_f _ 2012_68	Issue Type + Ma Location * Levee	Issue Type + Ma Location * Levee				



Erosion was found on the waterside slope of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

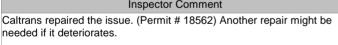
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	21.94	Rating **	М	Issue No.		62				
		Issue Type +	Ma	Location *						
LM End	21.94	•••	ivia	Location	WS					
Category	Earthen L	evee		GPS La	atitud	e/Longitude				
Category				Start		End				
Item	Erosion /	Bank Caving		37.9792	251°	37.979251°				
пеш				-121.340012 °		-121.340012°				
DWR ID DWR_NA0017_16_f _ 2013_62										
		Comn	nent Cod	de						
E2 : Sche	dule repair	of erosion site	e prior to	the next in	spec	ction.				
		Inspecto	or Comm	nent						
						-				



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	22.04	Rating **	A/W	Issue No.		48		
LM End	22.04	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category			Start		End			
Item	Erosion /		37.9786	97°	37.978697°			
item				-121.341581 °		-121.341581 °		
DWR ID	DWR_NA0	017_16_s _ 201	2_48			·		
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		
·								
Inspector Comment								
Caltrans re	epaired the	issue. (Perm	it # 1856	32) Another	repa	air might be		





View of the riprap on the waterside slope of the levee. Fall 2016

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)			
LM End	22.04	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		37.9786	97°	37.978697°		
пеш				-121.3415	81 °	-121.341581 °		
DWR ID	WR ID DWR_NA0017_16_s _ 2012_48							
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	nent				
Inspector Comment Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.								

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
I M End	22 04	Issue Type +	Ma	Location *	W/S



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 inspection.

Photo 3 of 5 : FA_2016_NA0017_160_48_20160823_00039.jpg



Updated picture of erosion was found on the waterside toe of the levee looking from the opposite side of the levee. Fall 2013

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.		48 (cont)			
LM End	22.04	Issue Type +	Ма	Location *	WS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Erosion /		37.9786	97°	37.978697°				
пеш				-121.3415	81 °	-121.341581 °			
DWR ID DWR_NA0017_16_s _ 2012_48									
		Comn	nent Cod	de					
E2 : Scheo	dule repair	of erosion site	e prior to	the next in	spec	ction.			
		Inspecto	or Comm	nent					
	Inspector Comment Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.								

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS



Updated view of the erosion site repaired by Caltrans on the waterside slope of the levee looking upstream. Fall 2012

Photo 5 of 5: FA_2016_NA0017_160_48_20160823_00041.jpg



View of the erosion site repaired by Caltrans under the I-5 freeway going southbound. This picture was taken from the toe of the levee looking upstream. Spring 2012

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

LM Start	22.24	Rating **	N	Issue No.		6		
LM End	22.24	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory			Start		End			
Item	Trim / Thin Trees			37.9766	50°	37.976650°		
пеш				-121.3442	12°	-121.344212 °		
DWR ID	DWR ID DWR_NA0017_16_s _ 2016_6							
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
			•					
		Inspecto	or Comm	nent				

No Photos

LM Start	22.53	Rating **	U	Issue No.		45		
LM End	22.53	Issue Type +	Ма	Location *		WS		
Category	evee	GPS Latitude/Longitude						
Calegory				Start		End		
Vegetation				37.9735	78°	37.973578°		
Item				-121.3478	48 °	-121.347848°		
DWR ID DWR_NA0017_16_f _ 2012_45								
	Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Arundo on the waterside of the levee is completely blocking the visibility.

LM Start	22.53	Rating **	U	Issue No.	45 (cont)
LM End	22.53	Issue Type +	Ма	Location *	WS

Photo 1 of 2: FA 2016 NA0017 160 45 20161031 00388.jpg



Updated picture of the arundo on the waterside slope of the levee. Fall

Photo 2 of 2: FA_2016_NA0017_160_45_20160823_00034.jpg



Arundo was found on the waterside slope of the levee looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/26/2016 10/28/2016	Pavel Kazi

* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	10/26/2016 10/26/2016	Pavel Kazi

LM Start	0.67	Rating **	М	Issue No.		10	
LM End	0.67	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Slope Sta	bility		37.9587	'02 °	37.958702°	
item			-121.1515	644°	-121.151544°		
DWR ID DWR_NA0017_17_s _ 2012_10							
		Comn	nent Cod	de			
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.							
		Inspecto	or Comm	nent			



Slope instability was found on the waterside of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/26/2016 10/27/2016	Pavel Kazi

LM Start	0.01	Rating **	Α	Issue No.		3	
LM End	0.01	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.9575	21 °	37.957521 °	
item				-121.1486	72°	-121.148672 °	
DWR ID DWR_NA0017_18_f _ 2016_3							
		Comn	nent Cod	de			
V1 : Contreasements		rass and wee	ds on th	e levee slop	oes :	and	
		Inspecto	or Comm	nent			
Acceptable	e vegetatio	n.					



View of the landside slope of the levee. Fall 2016

LM Start	0.87	Rating **	М	Issue No.		4	
LM End	0.87	Issue Type +	Ma	Location *	LS		
Earthen Levee				GPS La	atitud	e/Longitude	
Category			Start		End		
Item	Animal Control			37.960206°		37.960206°	
пеш			-121.163559°		° -121.163559		
DWR ID	DWR_NA0	017_18_f _ 201	5_4				
		Comn	nent Cod	de			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
Inspector Comment							



Rodent holes were found on the landside of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/26/2016 10/27/2016	Pavel Kazi

LM Start	0.89	Rating **	М	Issue No.	5	
LM End	0.89	Issue Type +	Ма	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.9602	?75°	37.960275°
				-121.1638	58°	-121.163858°
DWR ID DWR_NA0017_18_f _ 2016_5						
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						



View of the rodent holes on the landside of the levee. Fall 2016

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement